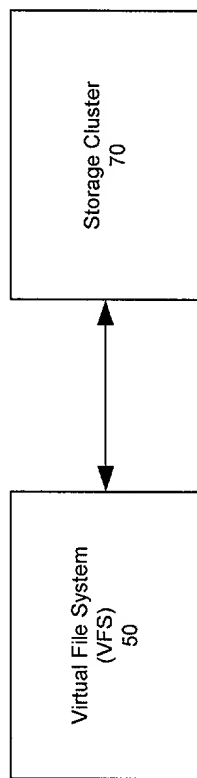
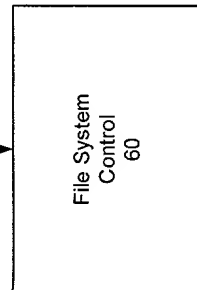


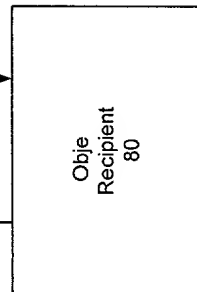
Network Storage System
90



Control - Directory
Operations



Object File
Requests



Object
Files

Figure 1

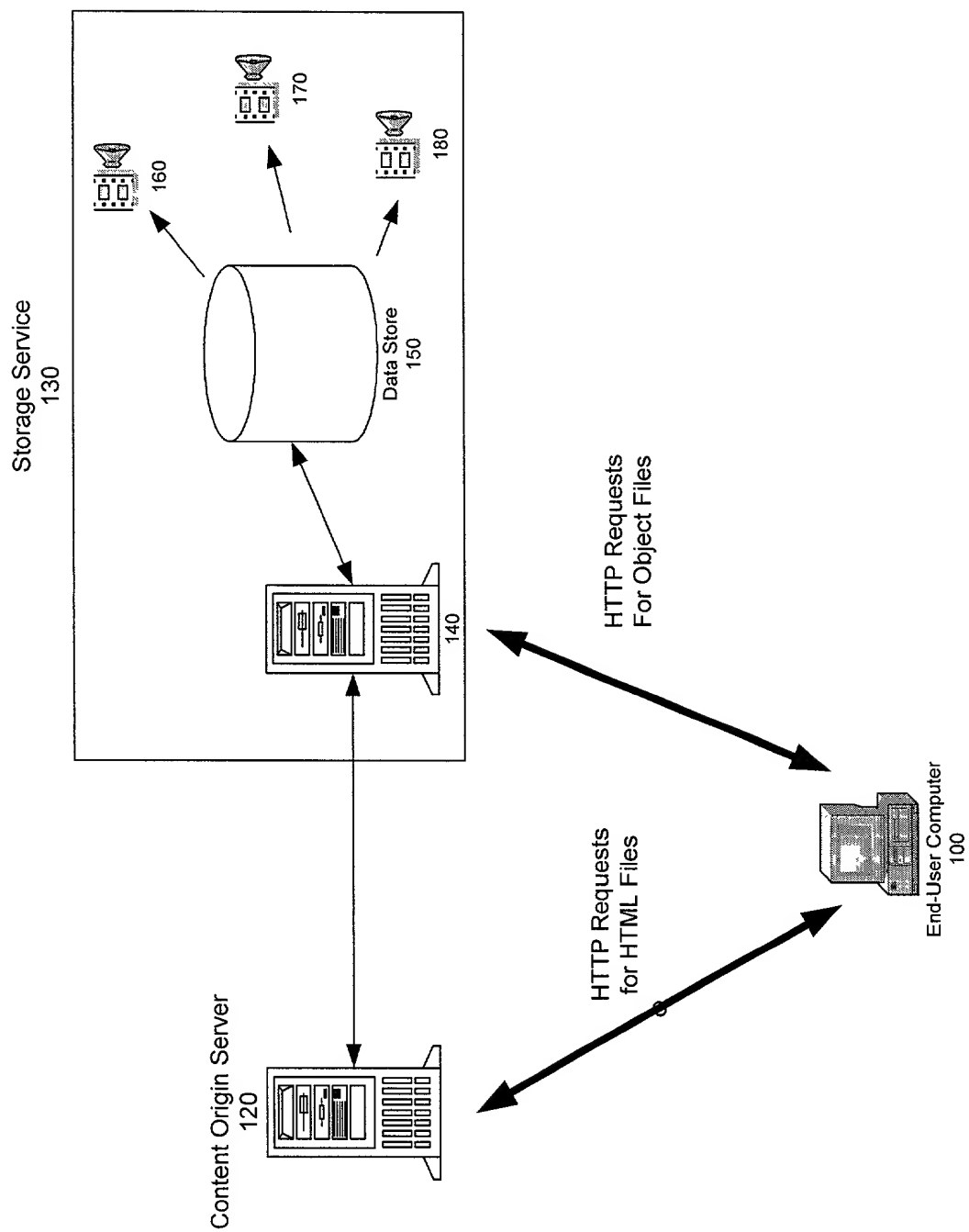
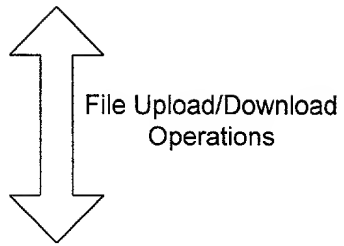


Figure 2



300

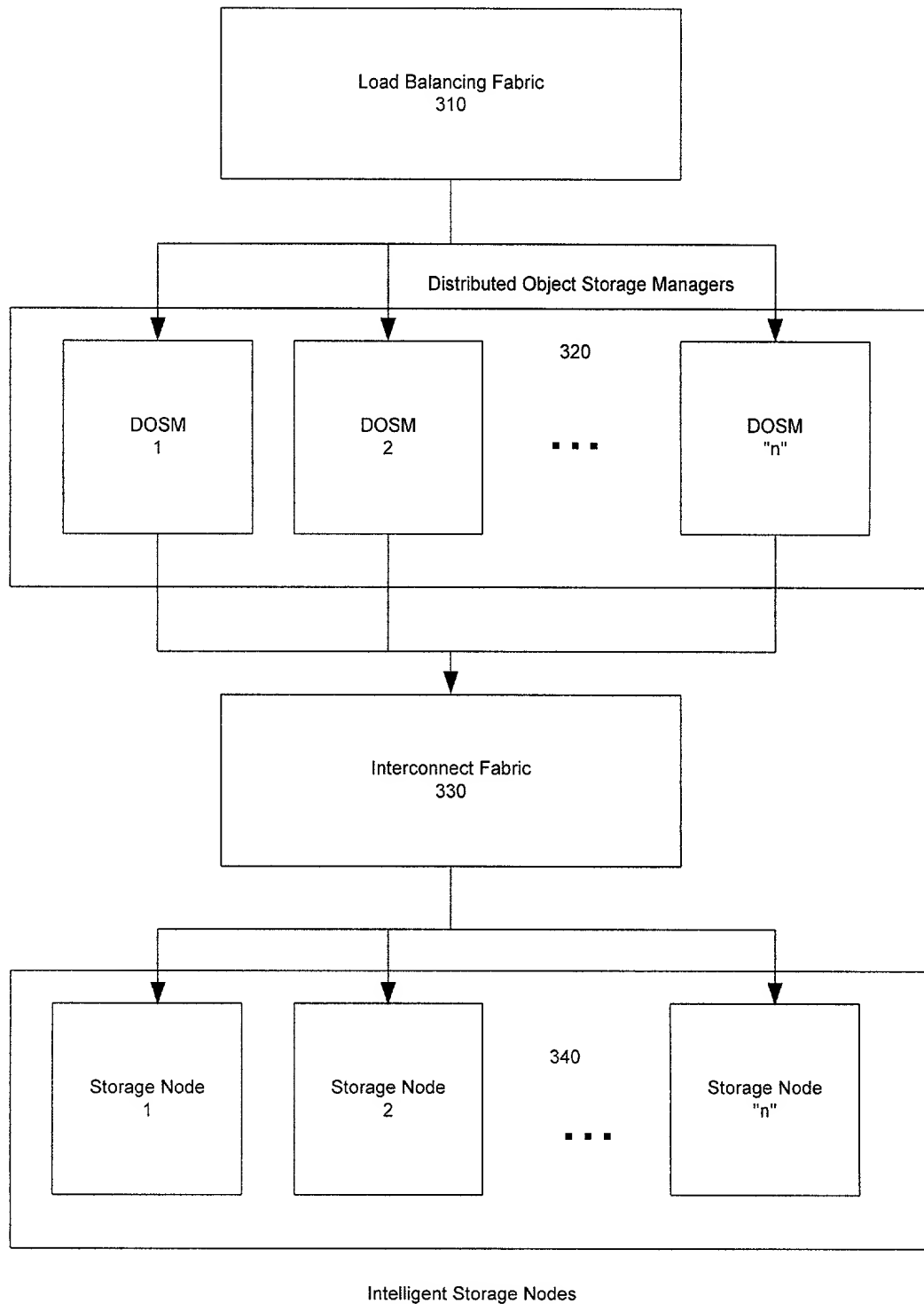


Figure 3

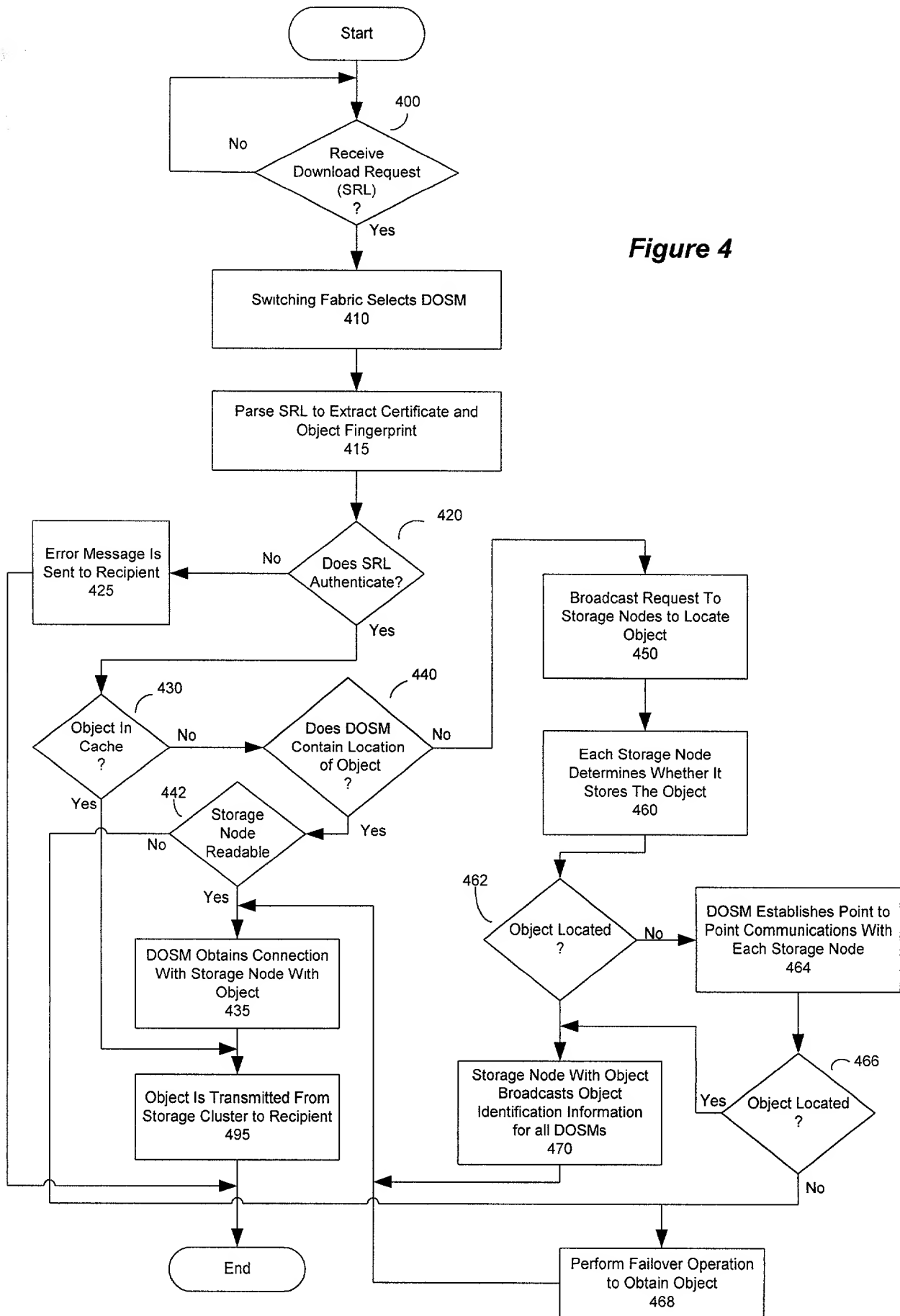


Figure 4

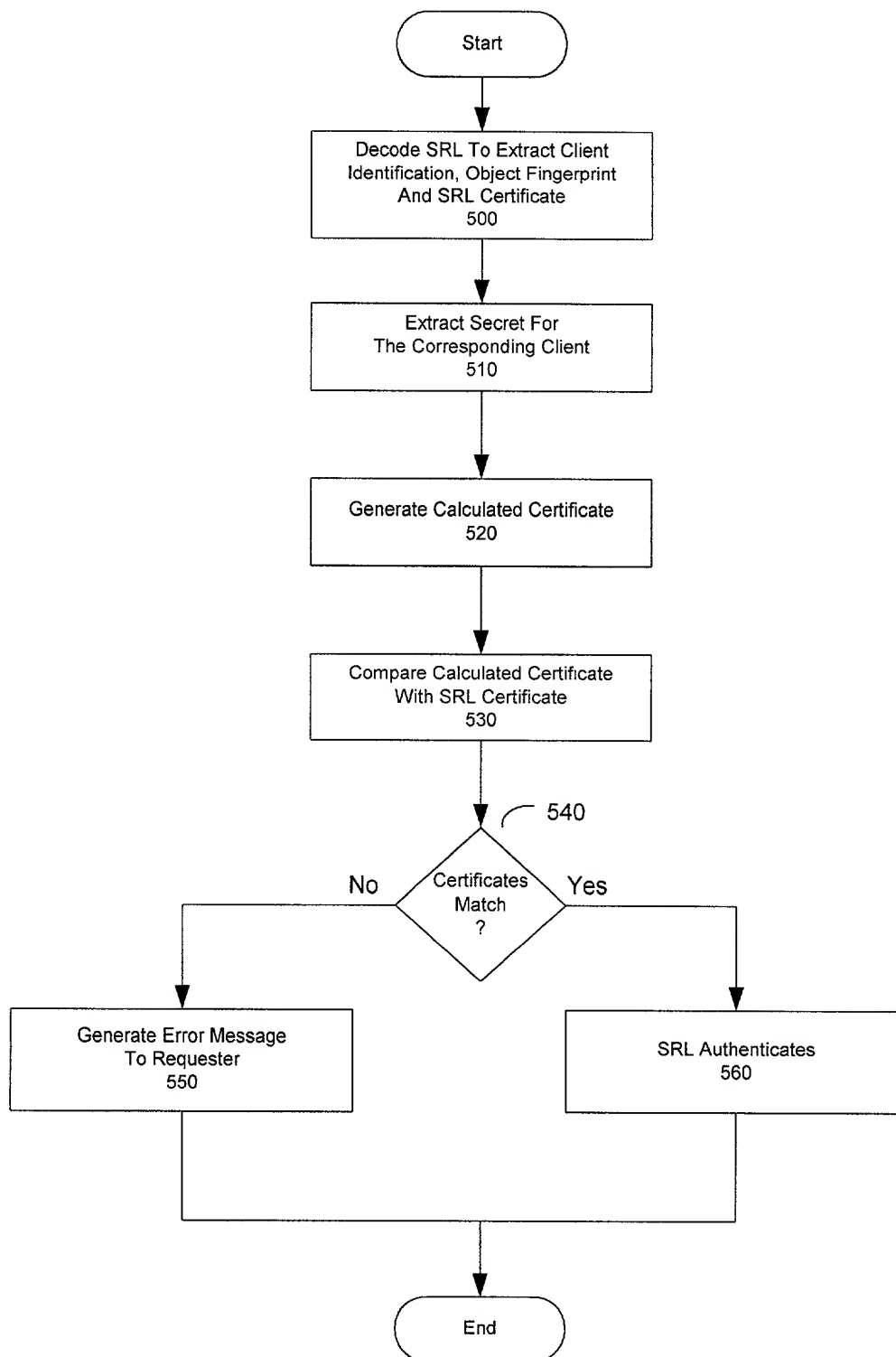


Figure 5

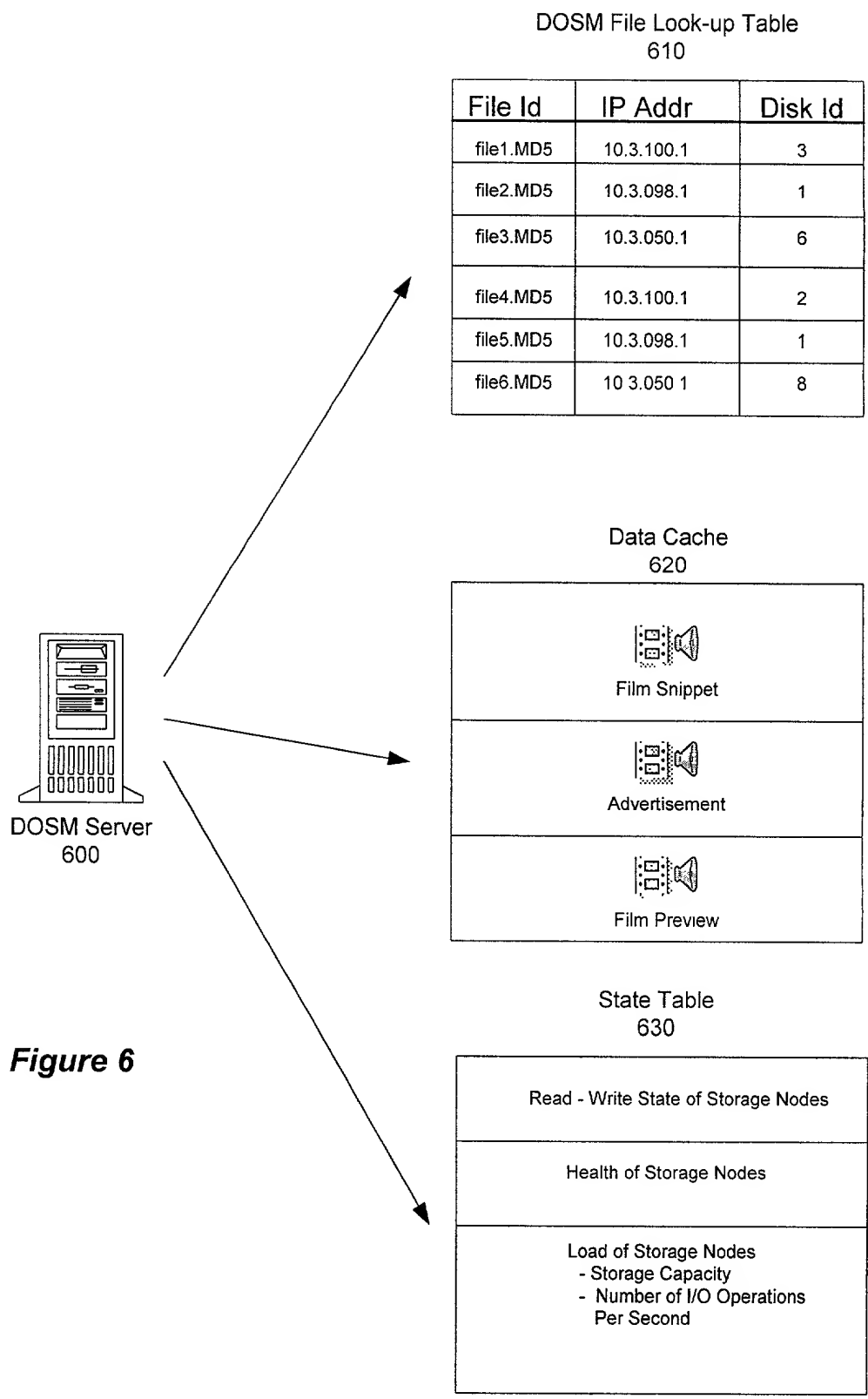


Figure 6

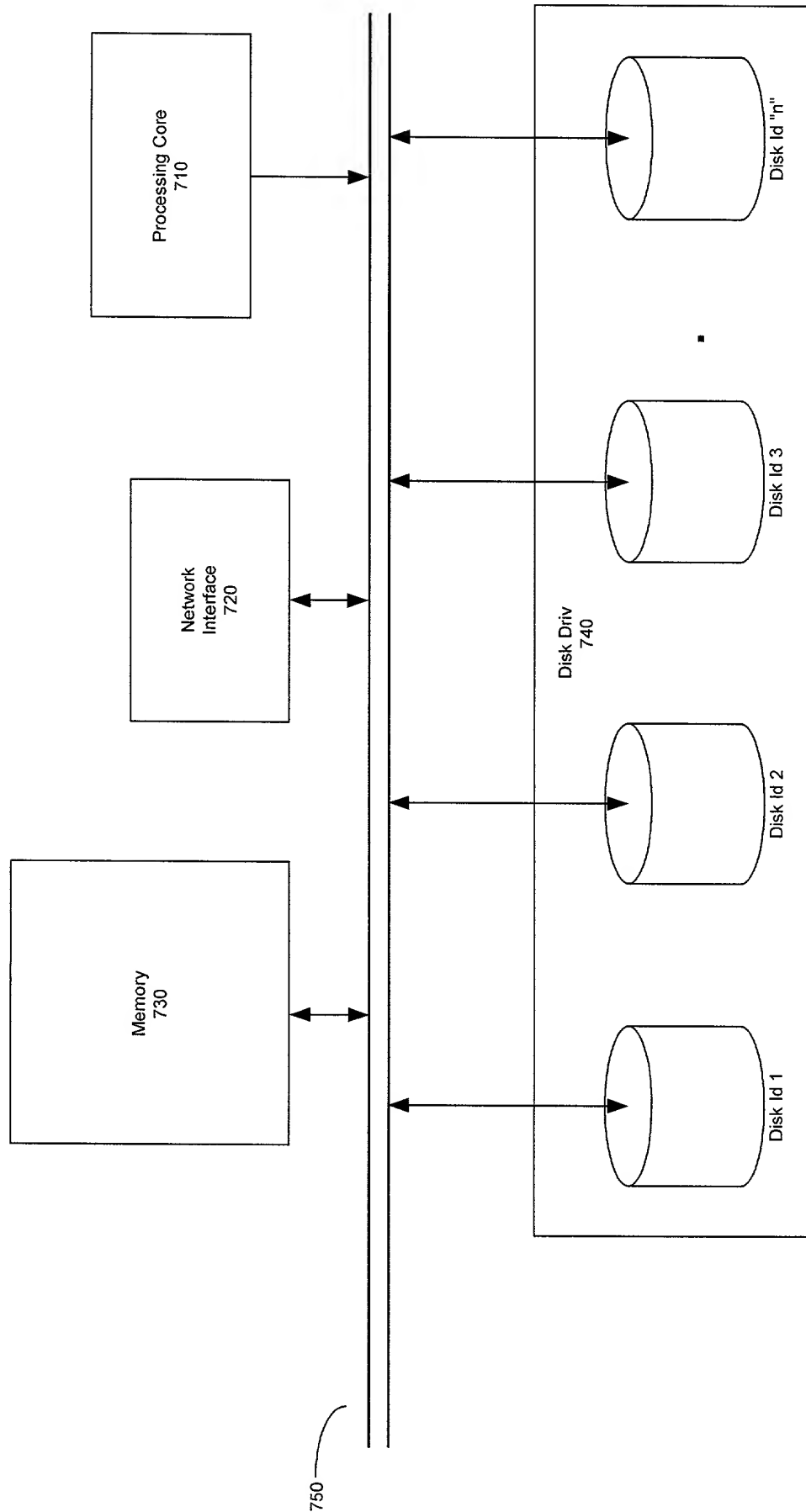


Figure 7

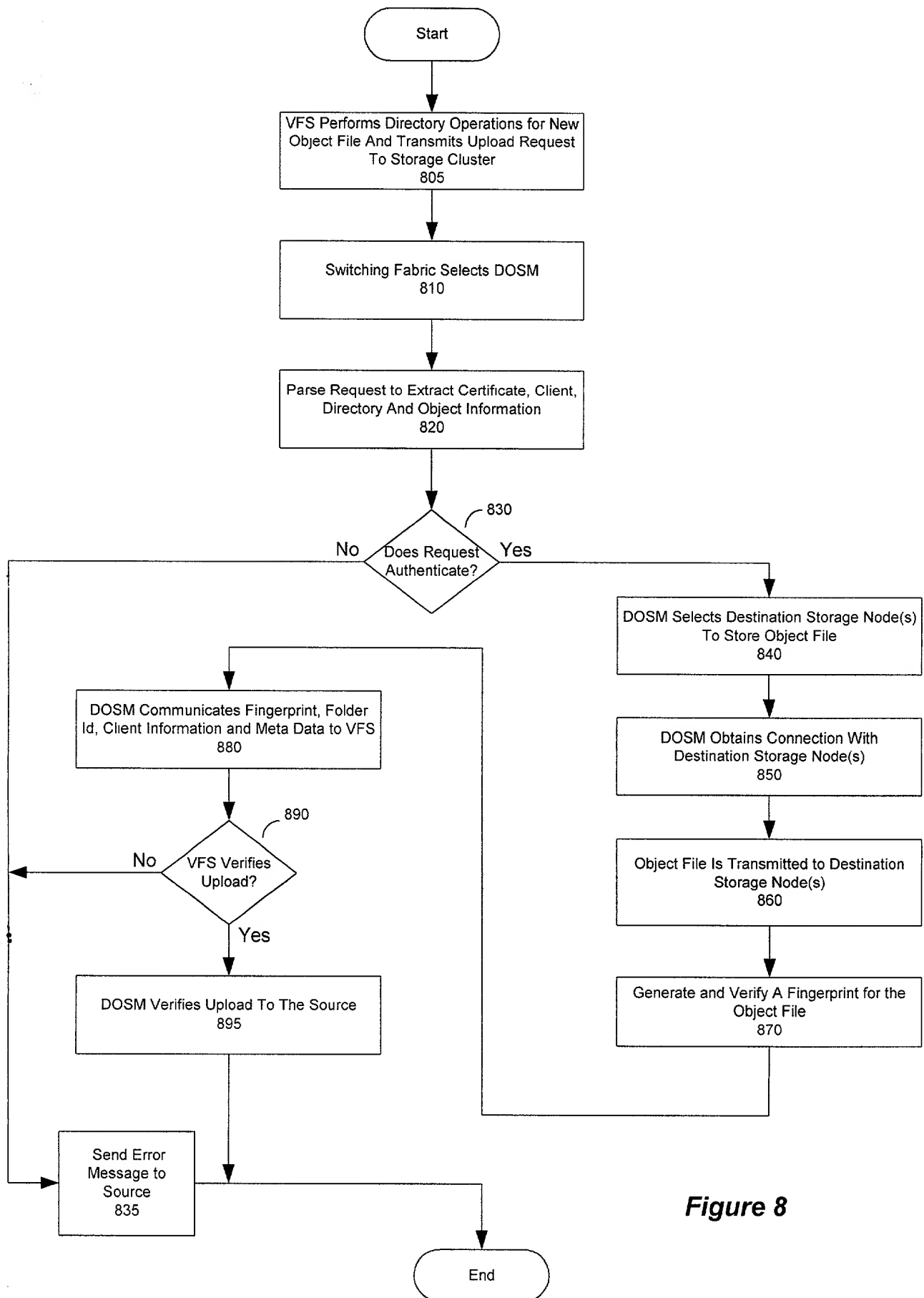


Figure 8

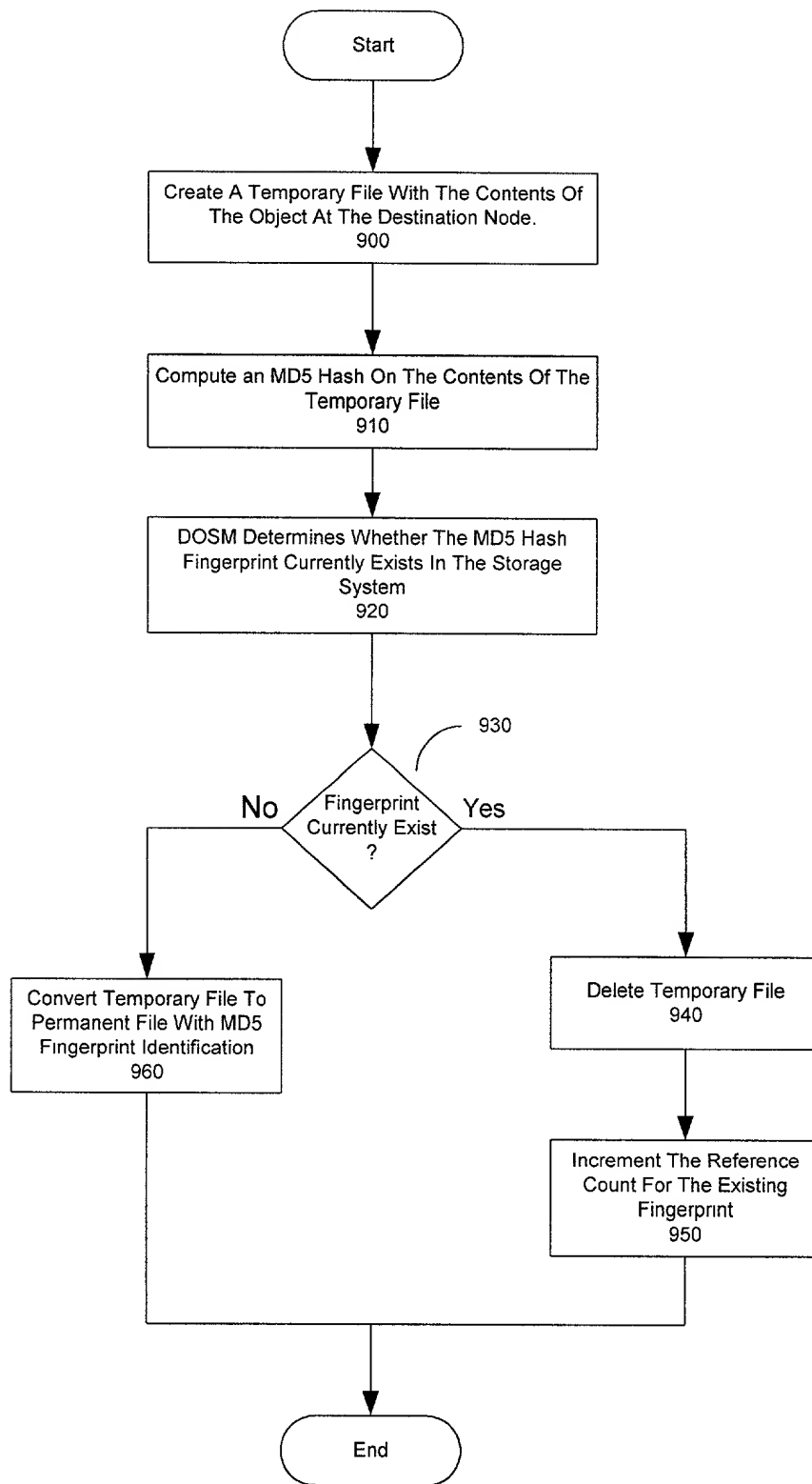


Figure 9

FIG. 10 is a block diagram of a system architecture for file upload/download operations.

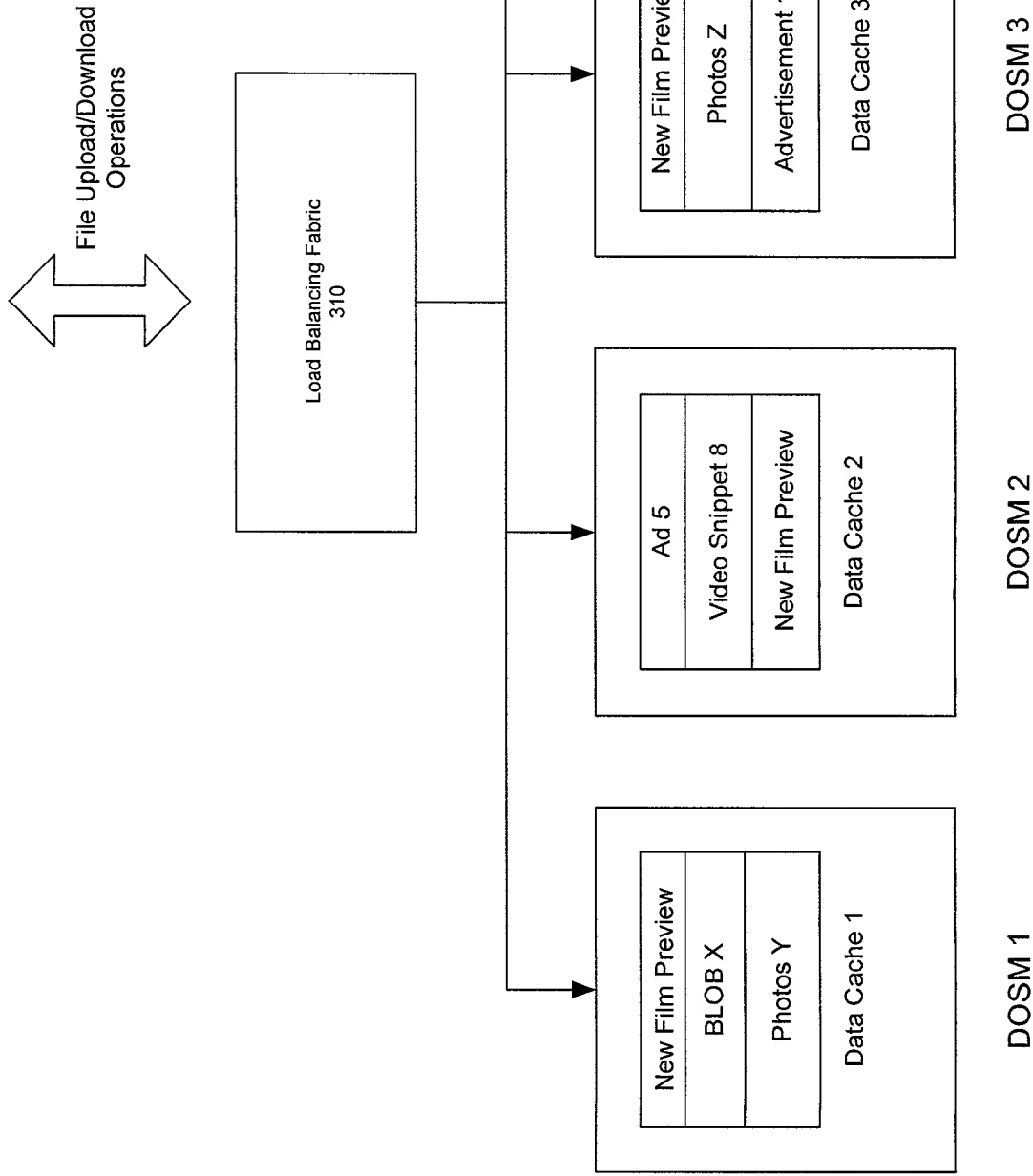


Figure 10

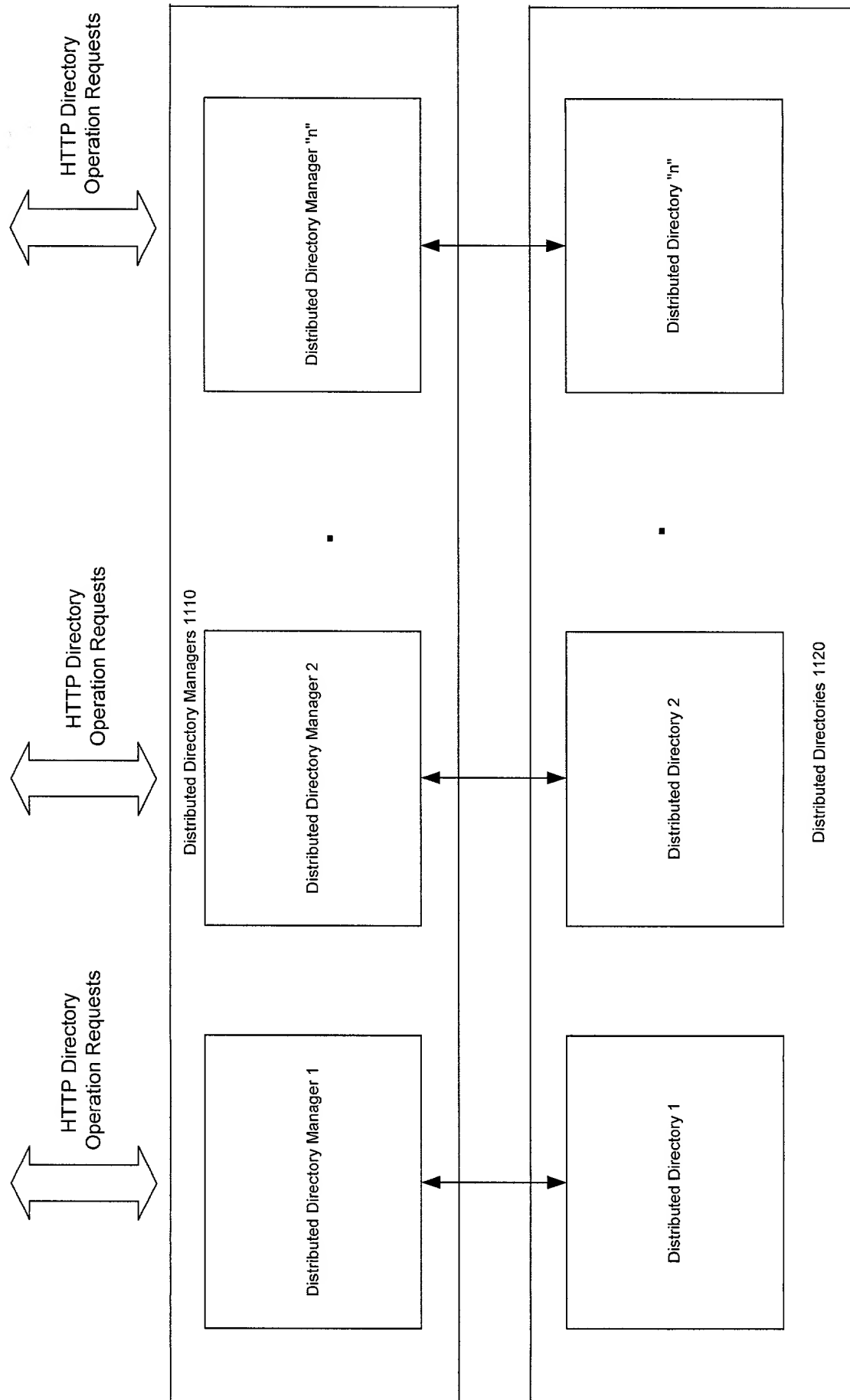


Figure 11

Customer Table

	Customer Name	Customer Reserved Fields
	Customer A	[Customer stores data ...]
	Customer B	[Customer stores data ...]
	Customer C	[Customer stores data ...]
	Customer D	[Customer stores data ...]

1200

Folder Table

Customer Id	Folder Id	Folder Parent Id	Metadata
3	2	-	[Reserved]
3	100	2	[Reserved]
3	251	2	[Reserved]
3	166	251	[Reserved]

1210

File Table

Customer Id	File Handle	Folder Id	Folder Parent Id	Metadata
3	52.MD5	100	2	[Reserved]
3	55.MD5	100	2	[Reserved]
3	99.MD5	166	251	[Reserved]
3	67.MD5	166	251	[Reserved]

1220

Figure 12

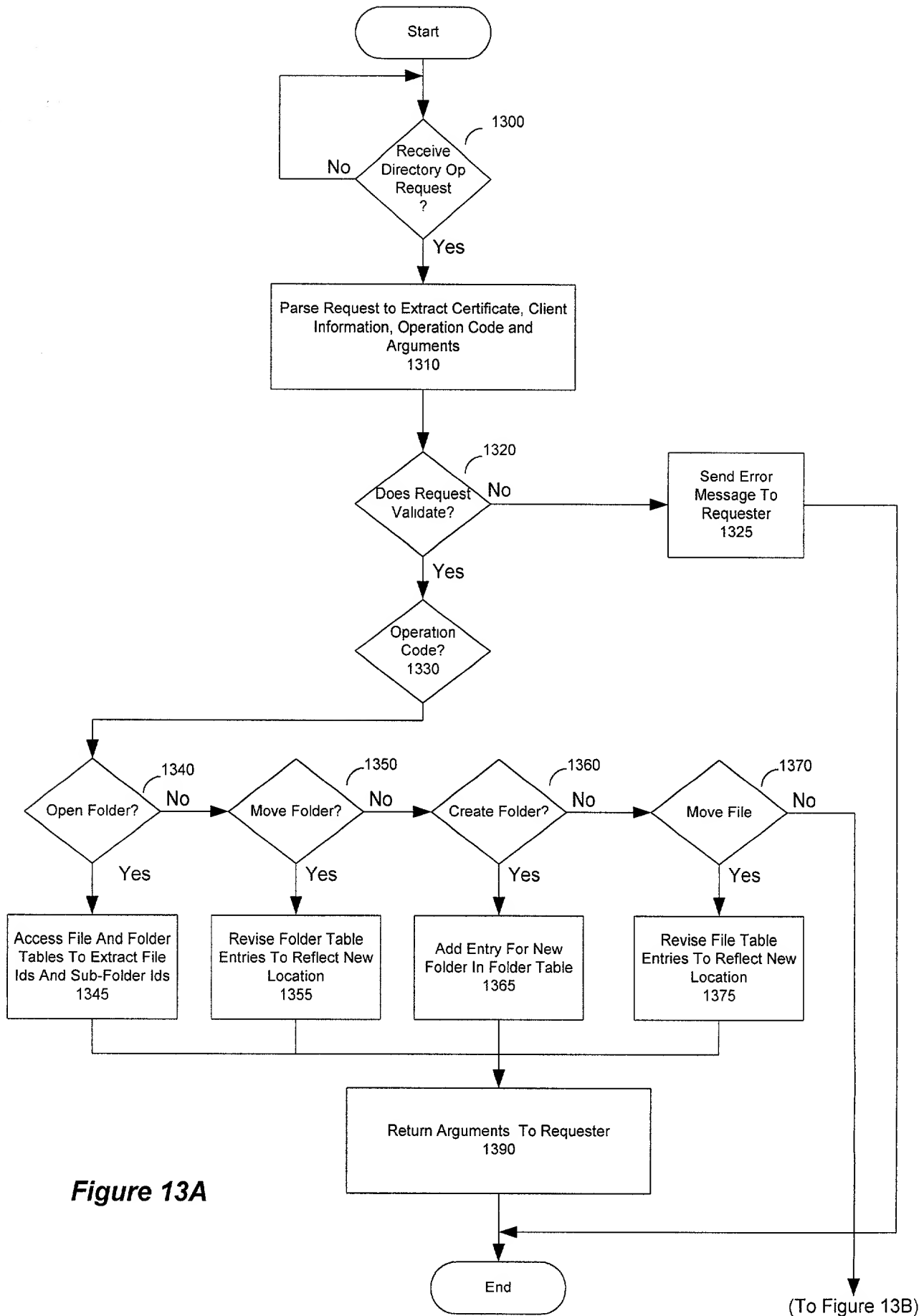


Figure 13A

(From Figure 13A)

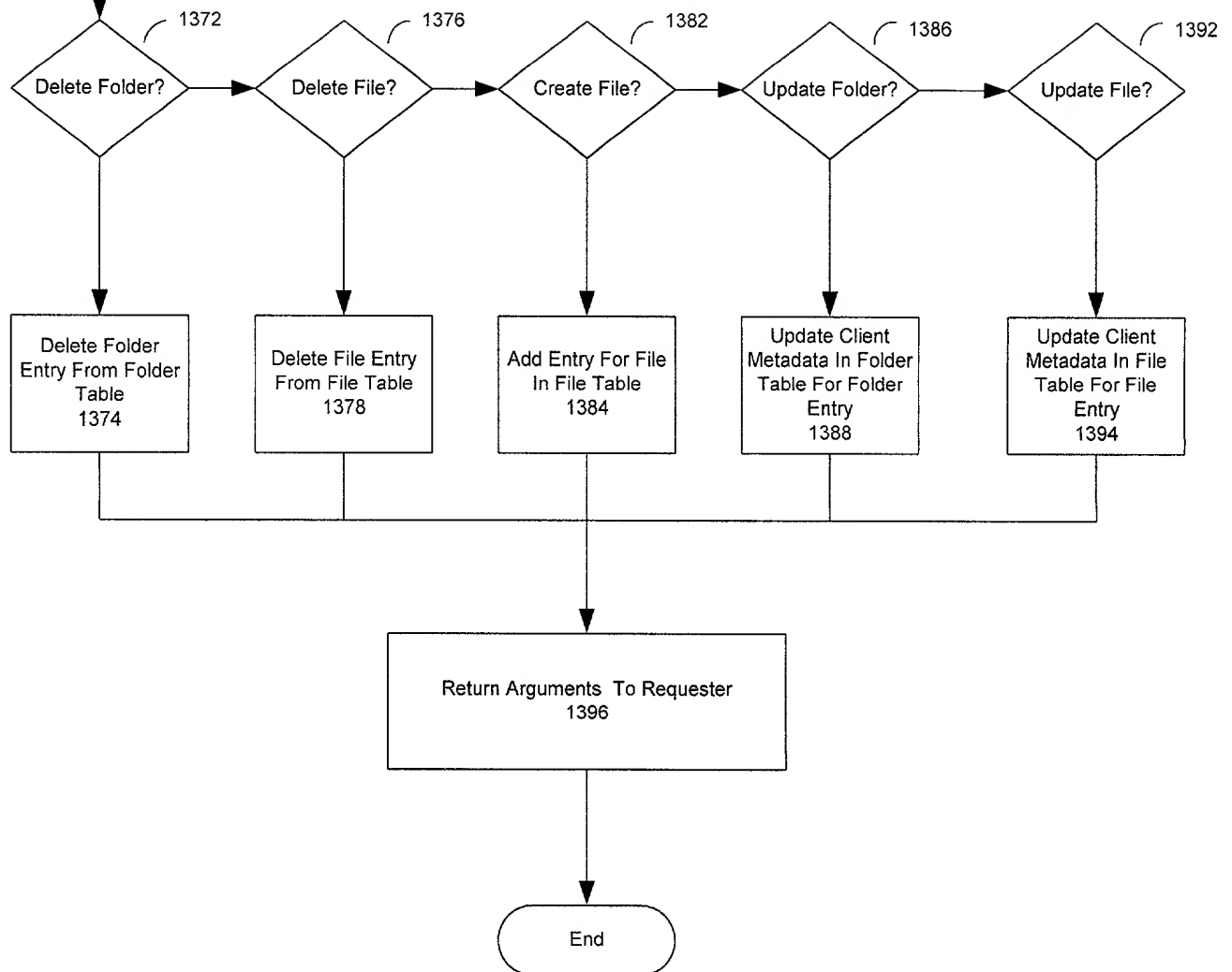


Figure 13B

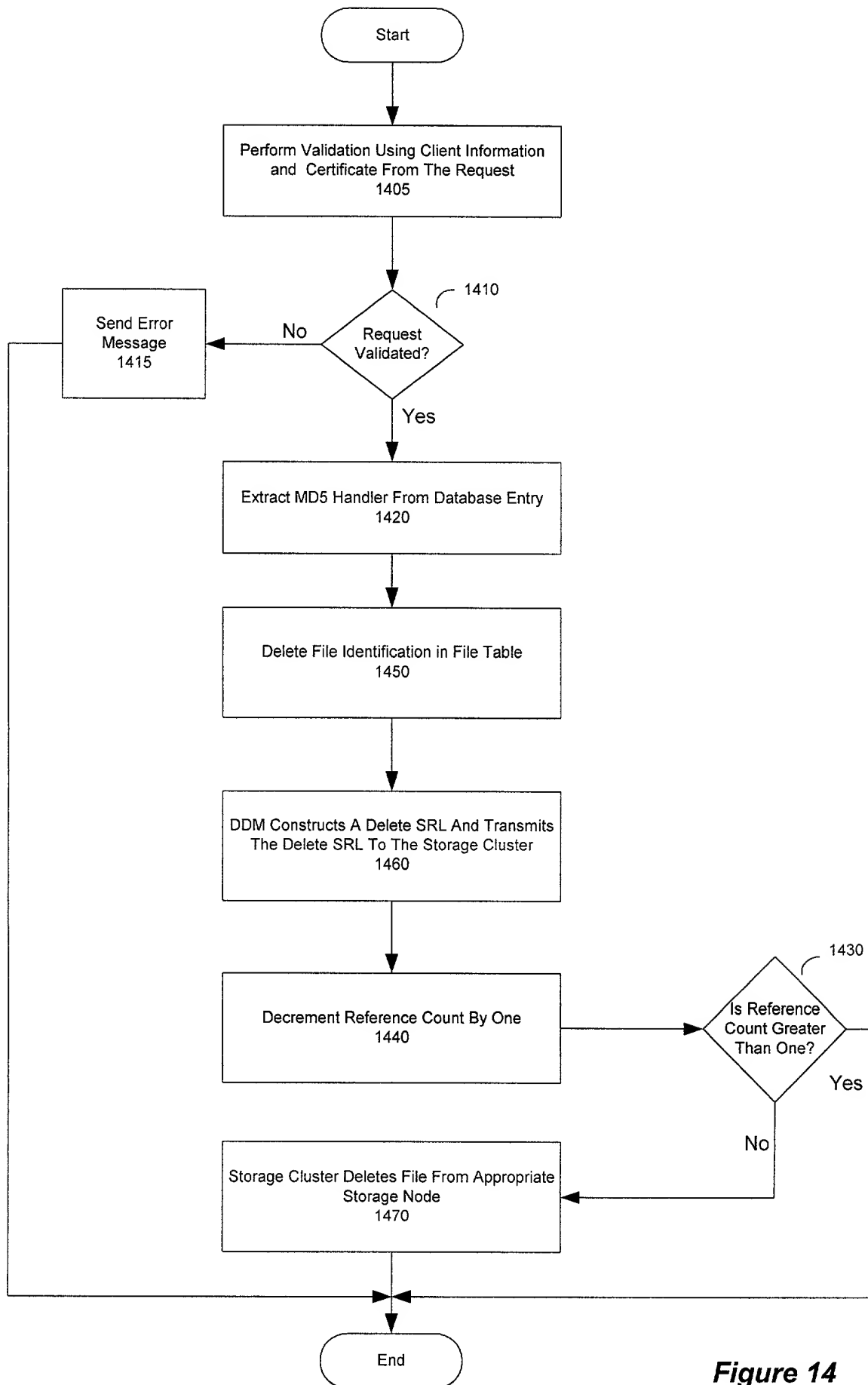


Figure 14

North America
Storage Center
1510

Europe
Storage Center
1520

Asia
Storage Center
1530

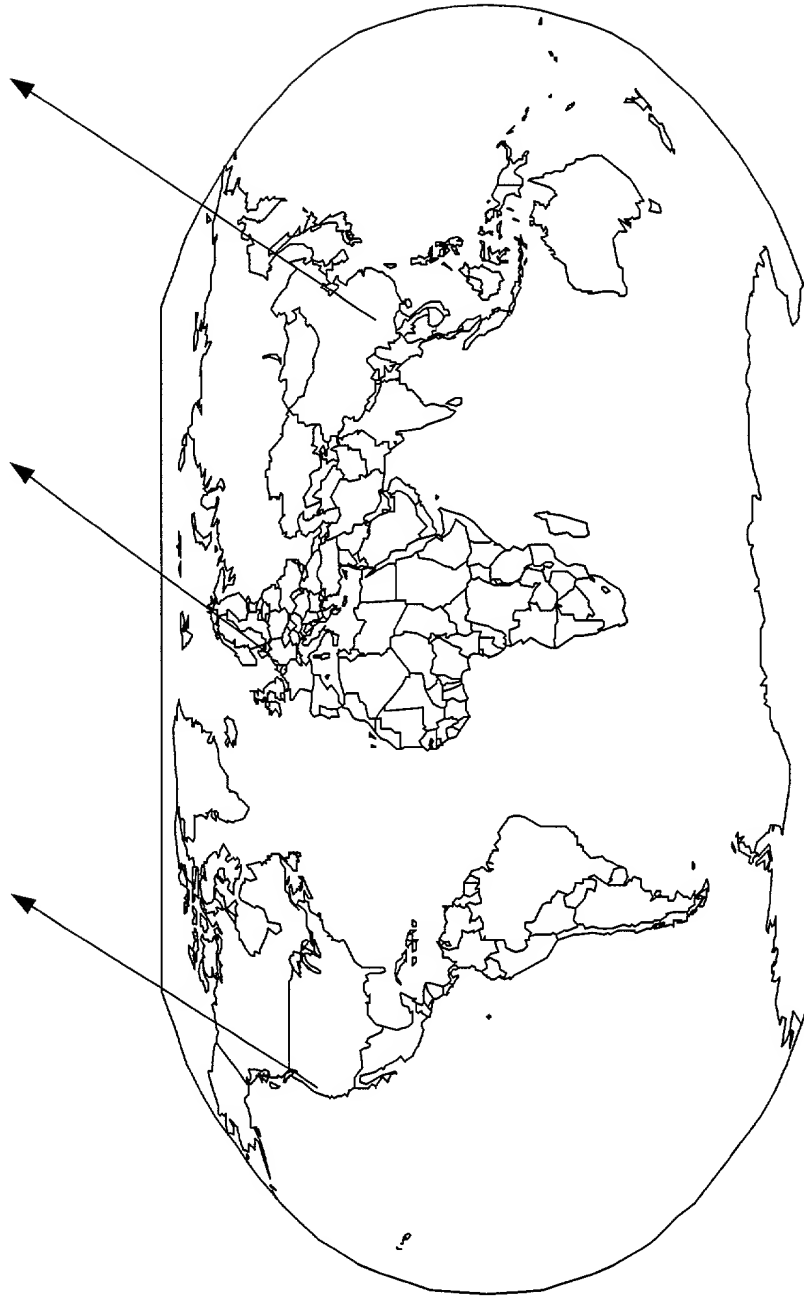


Figure 15

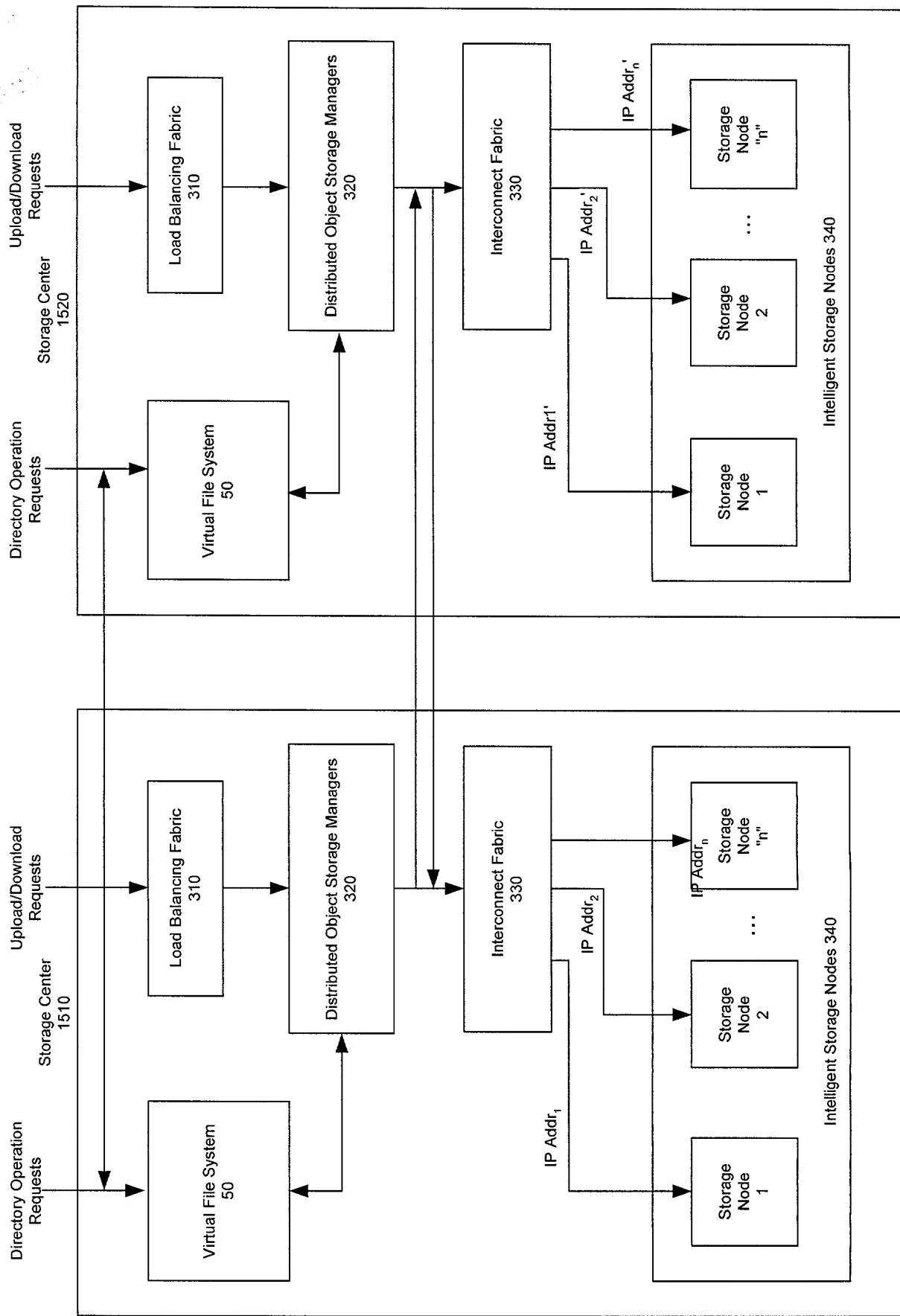


Figure 16

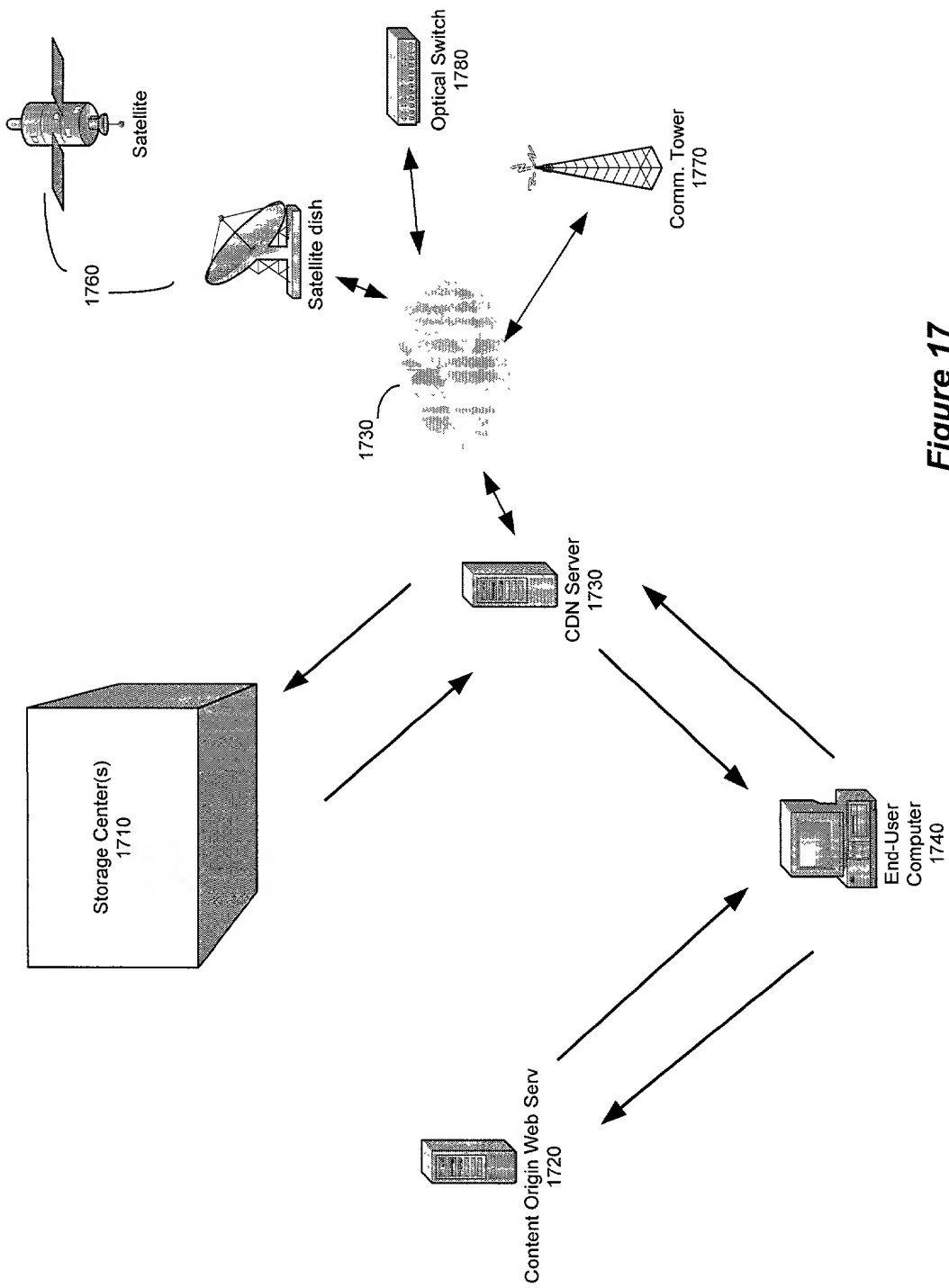


Figure 17

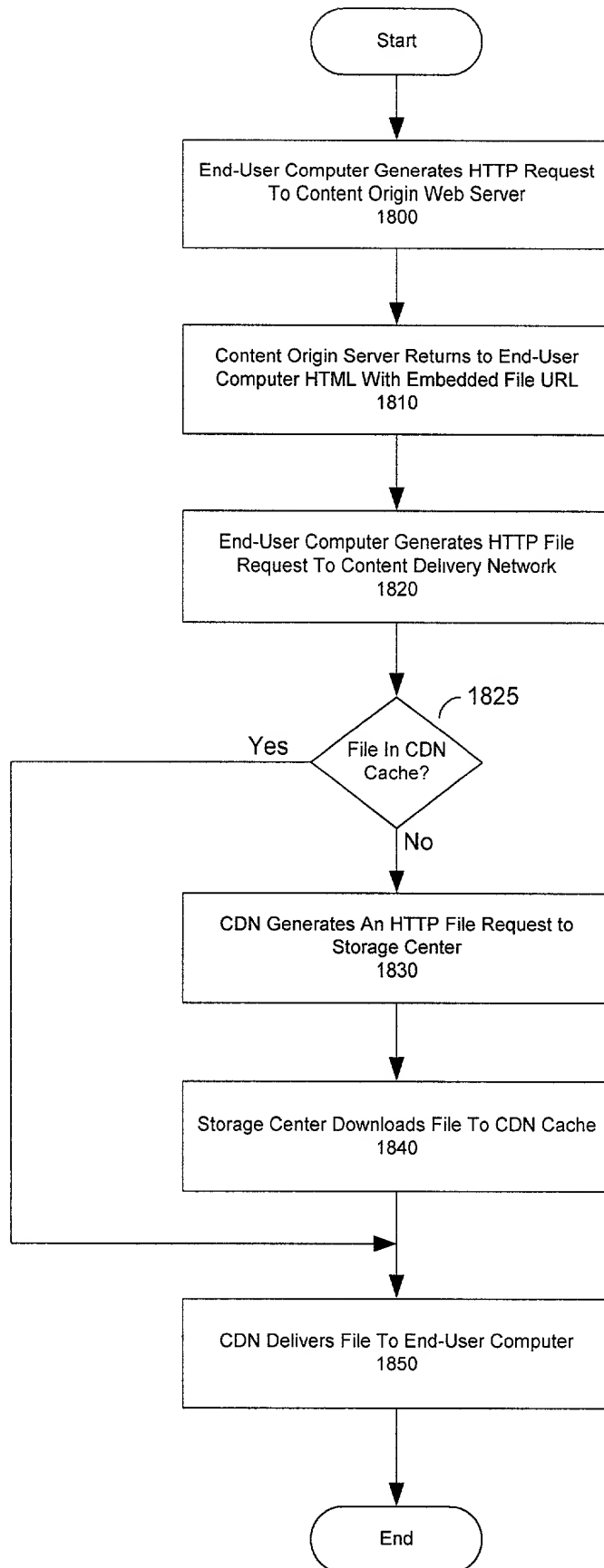


Figure 18

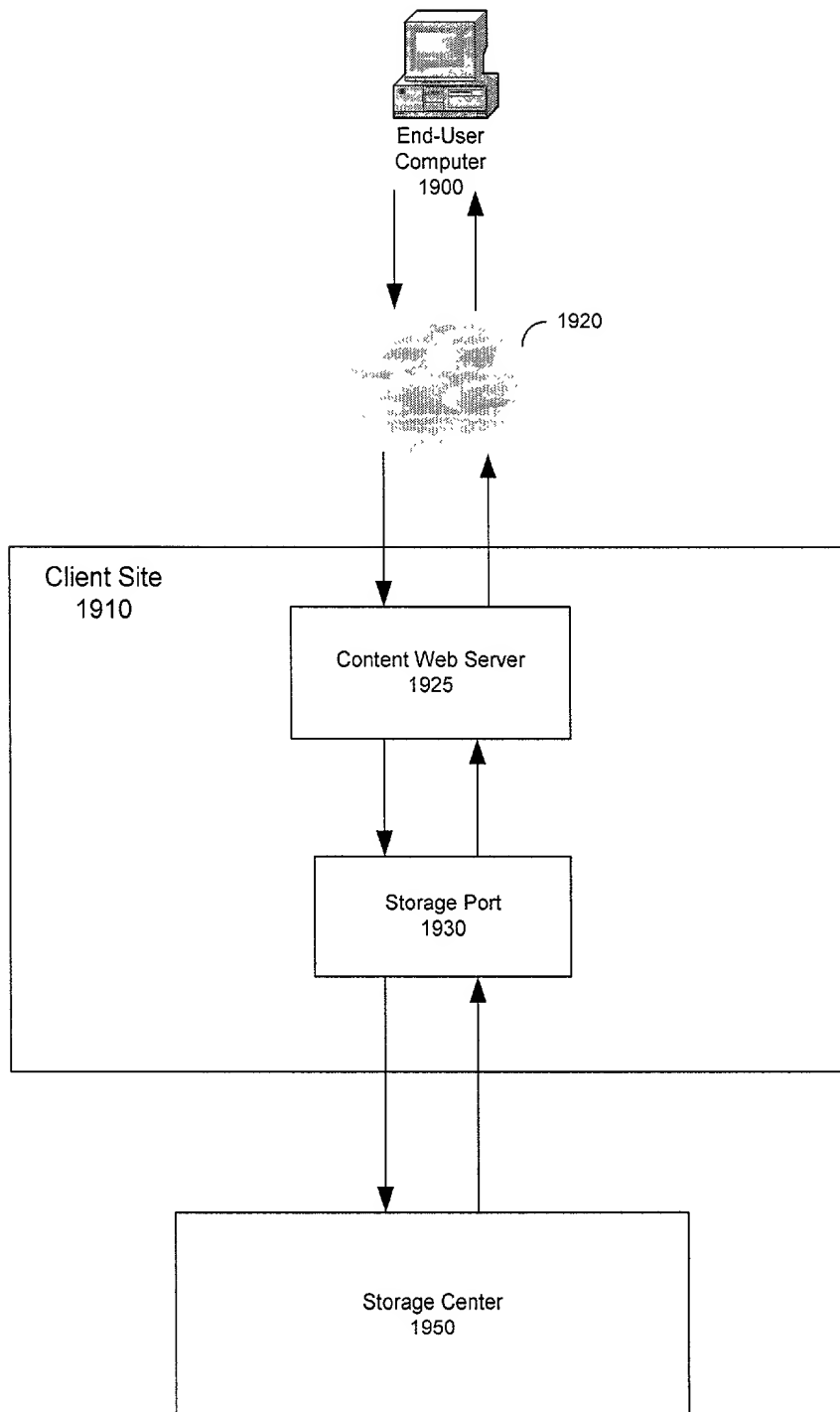


Figure 19

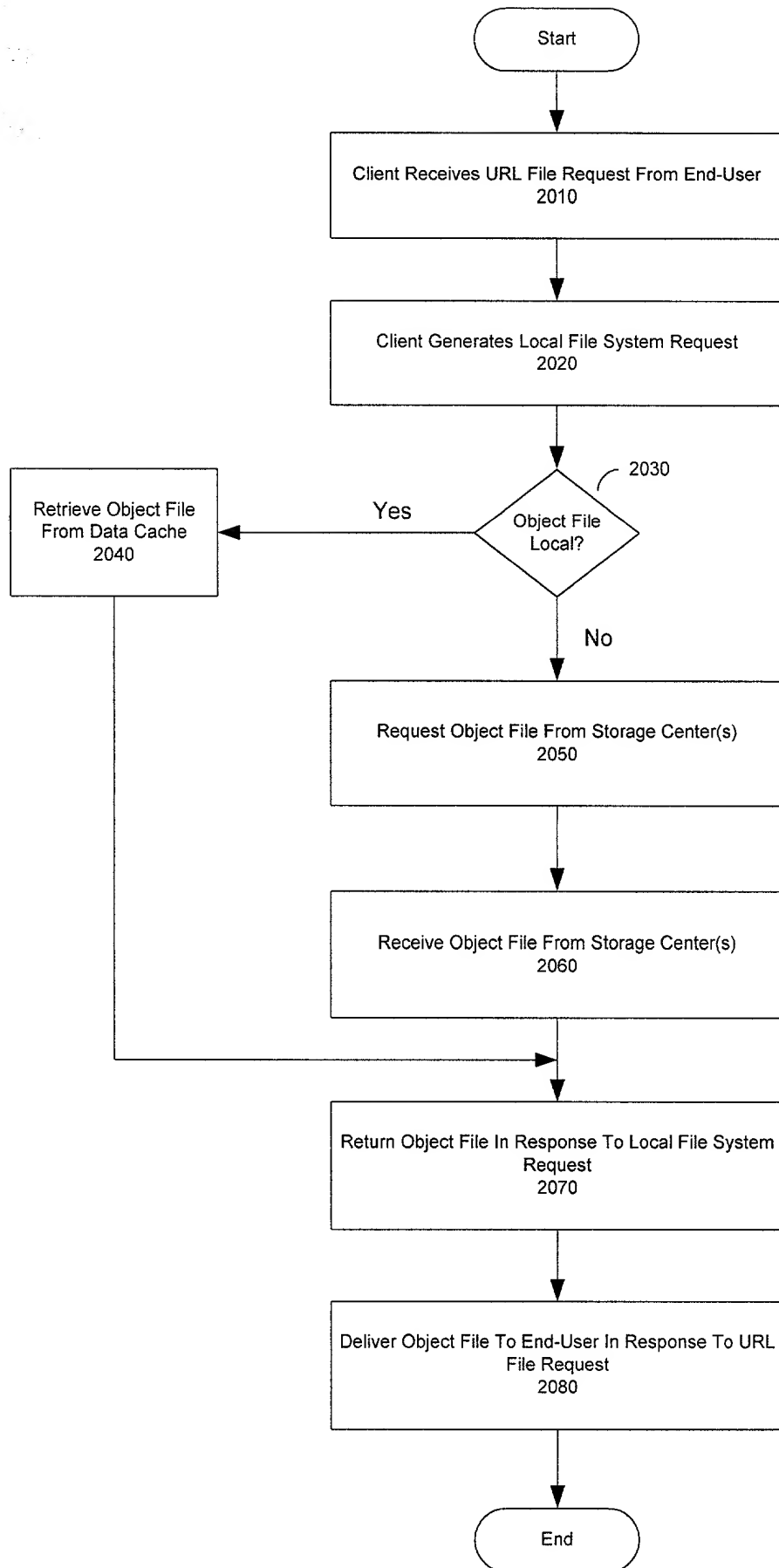


Figure 20

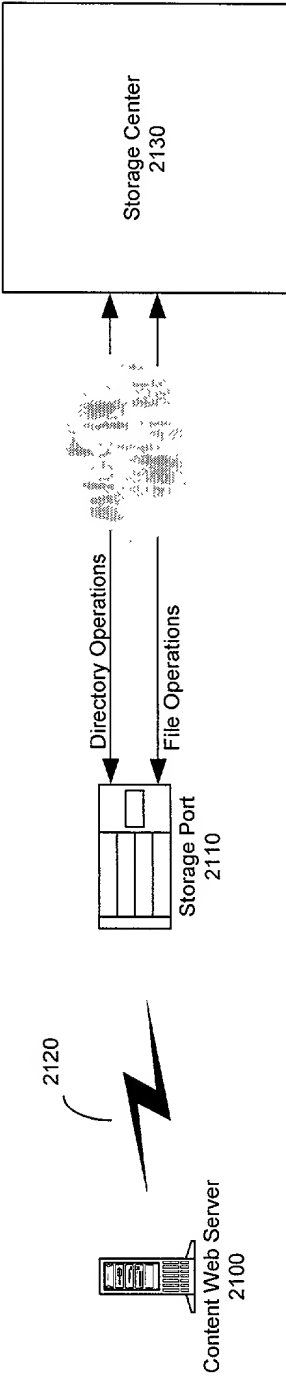


Figure 21a

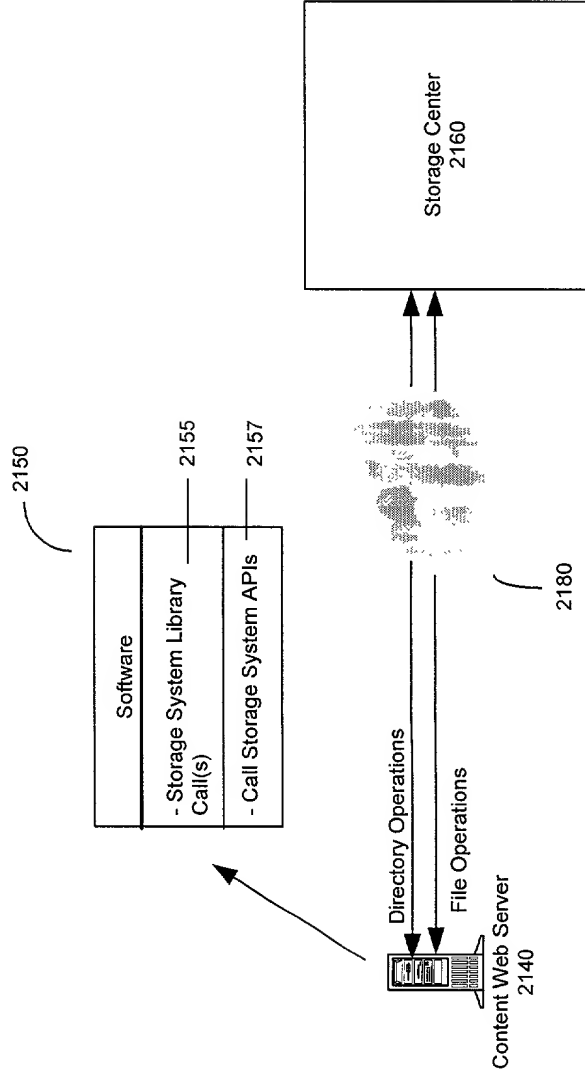


Figure 21b

Storage Port
2200

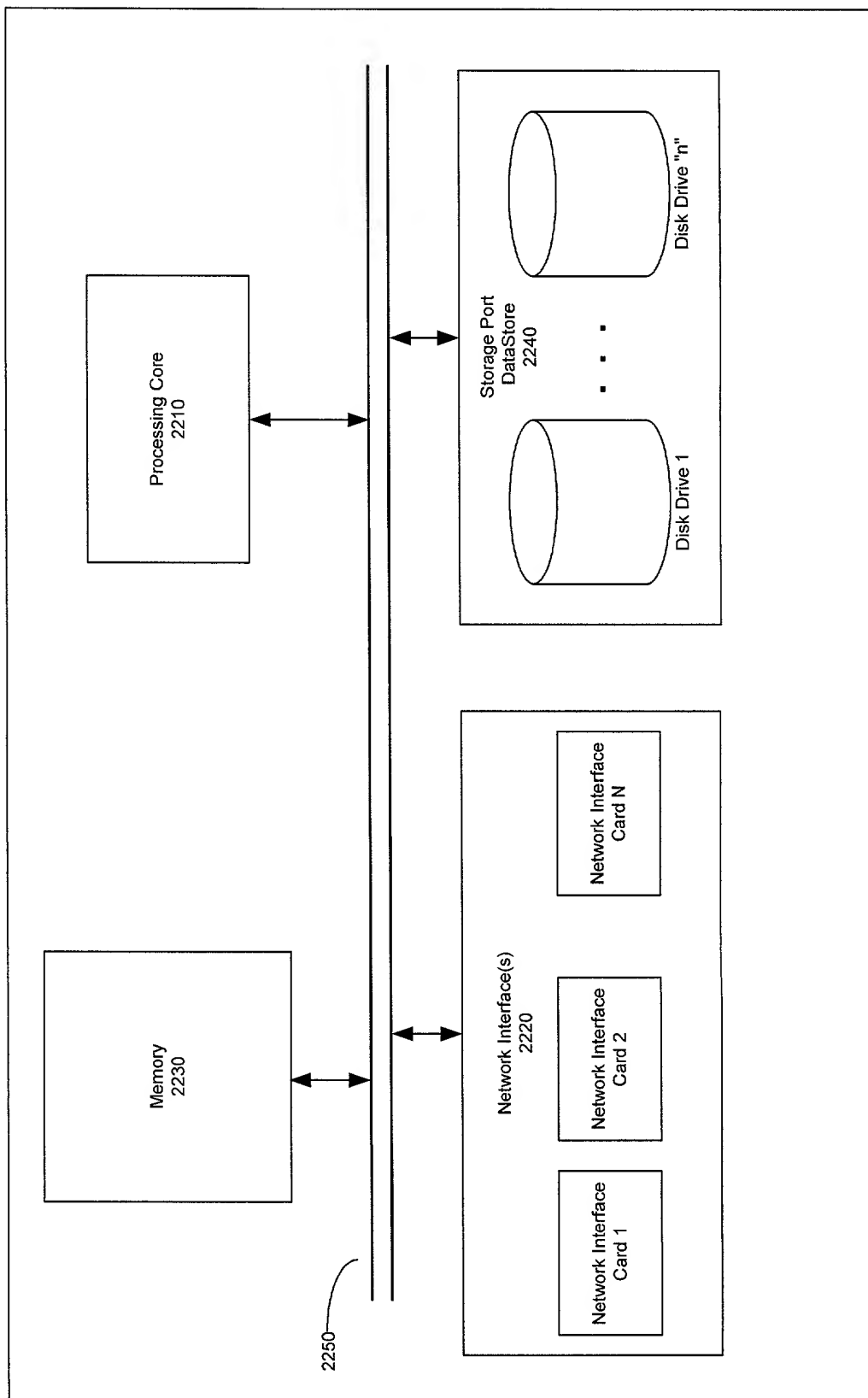


Figure 22

2300

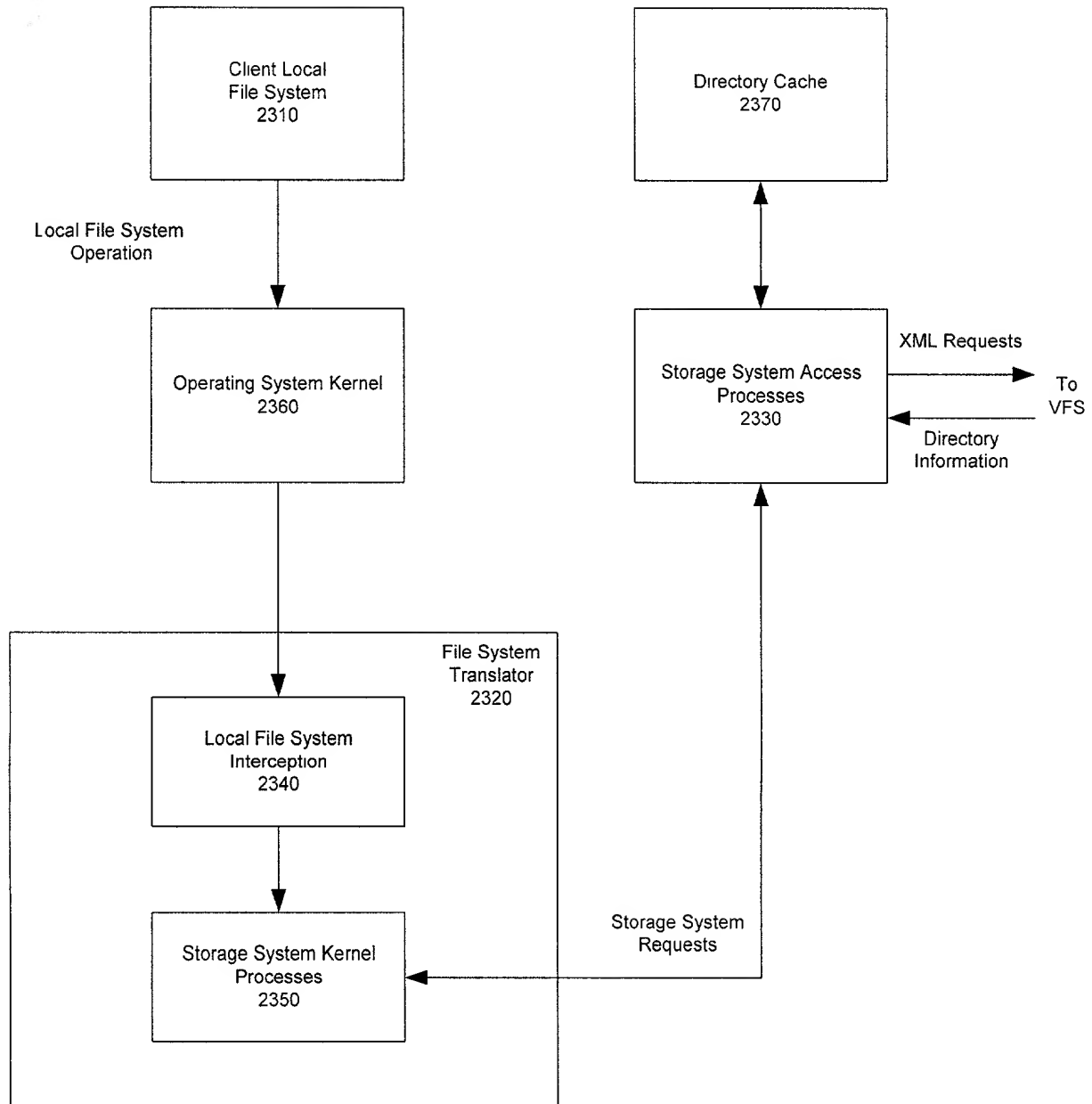


Figure 23

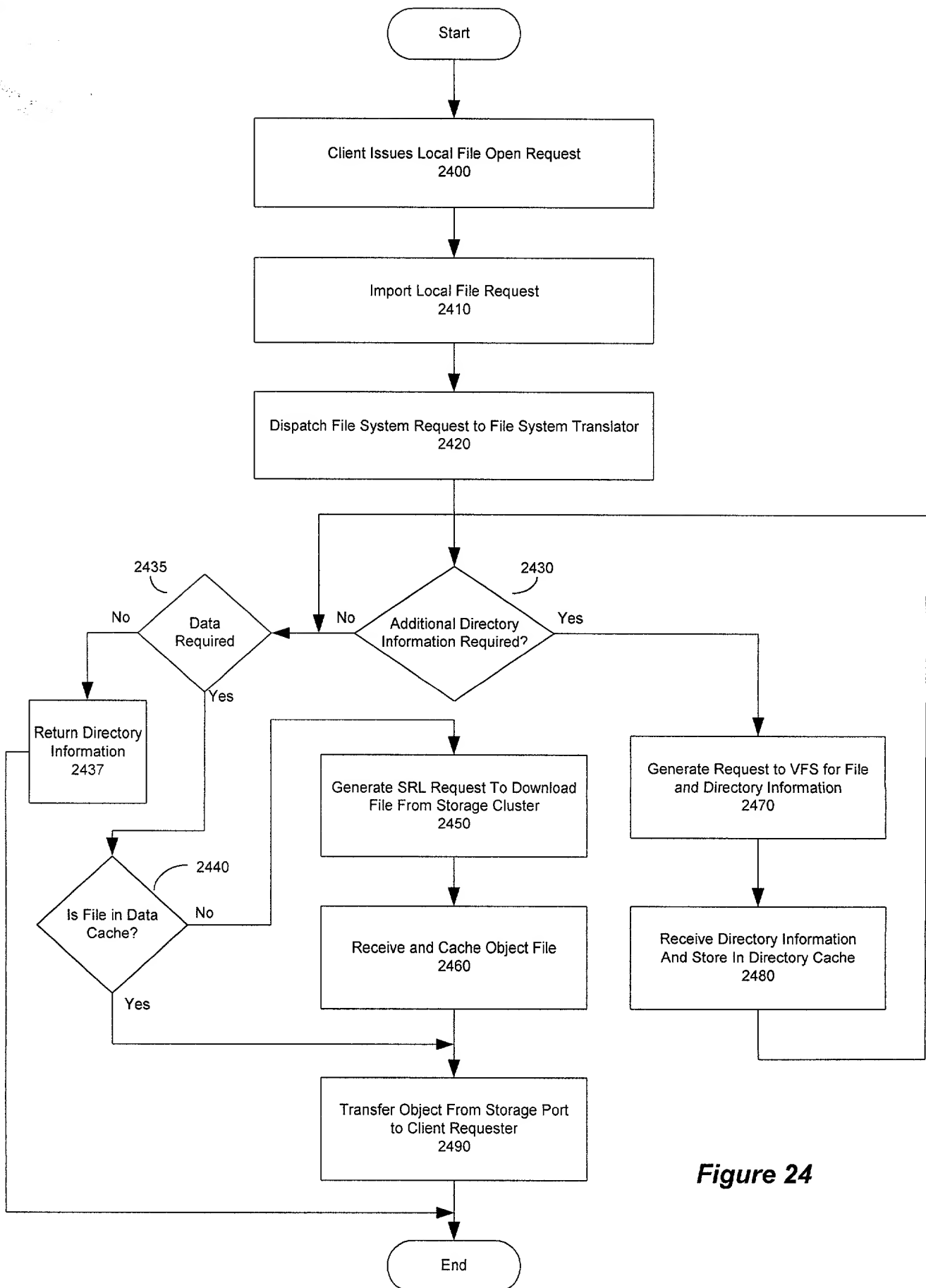


Figure 24

2600

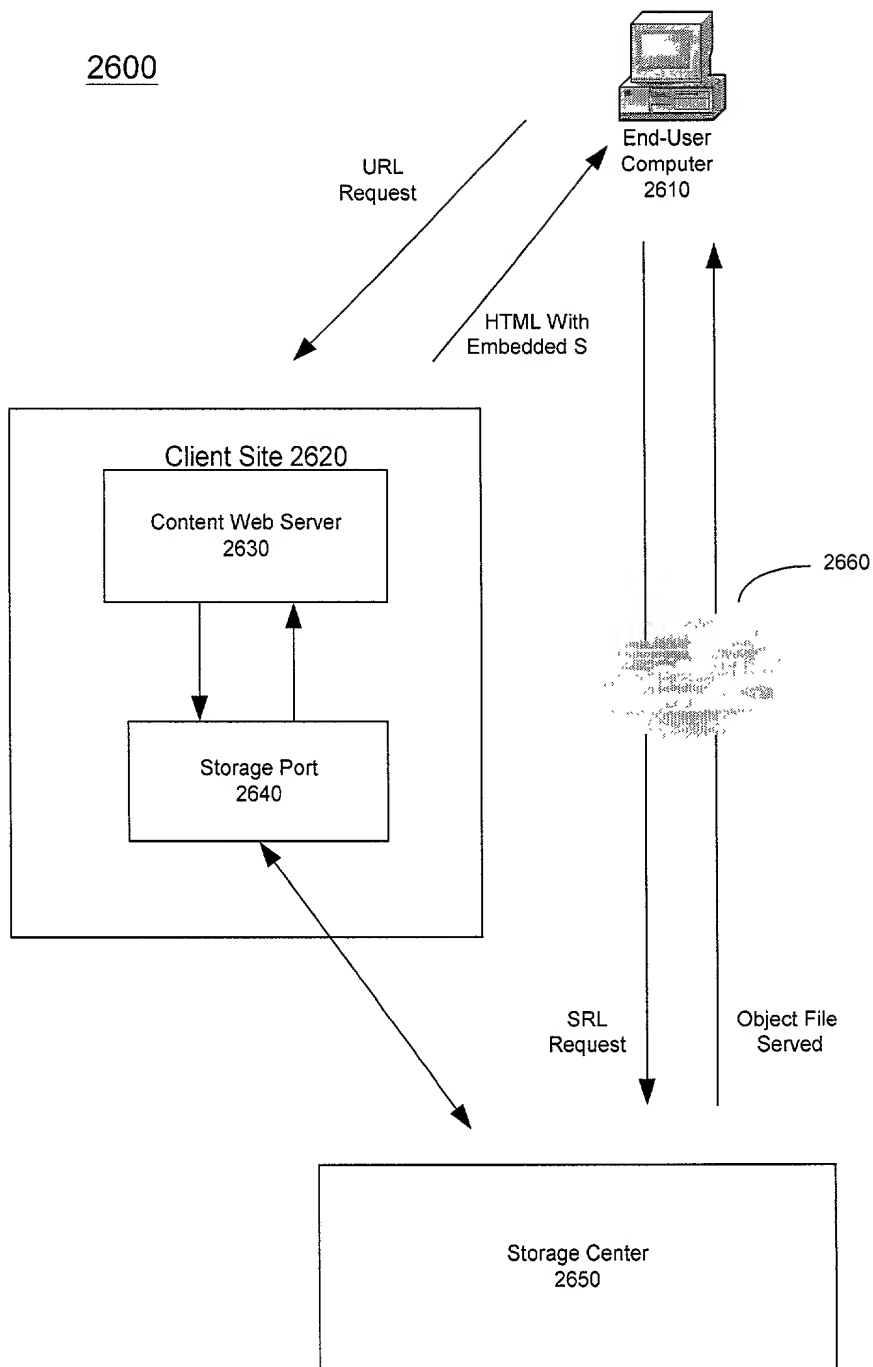


Figure 25

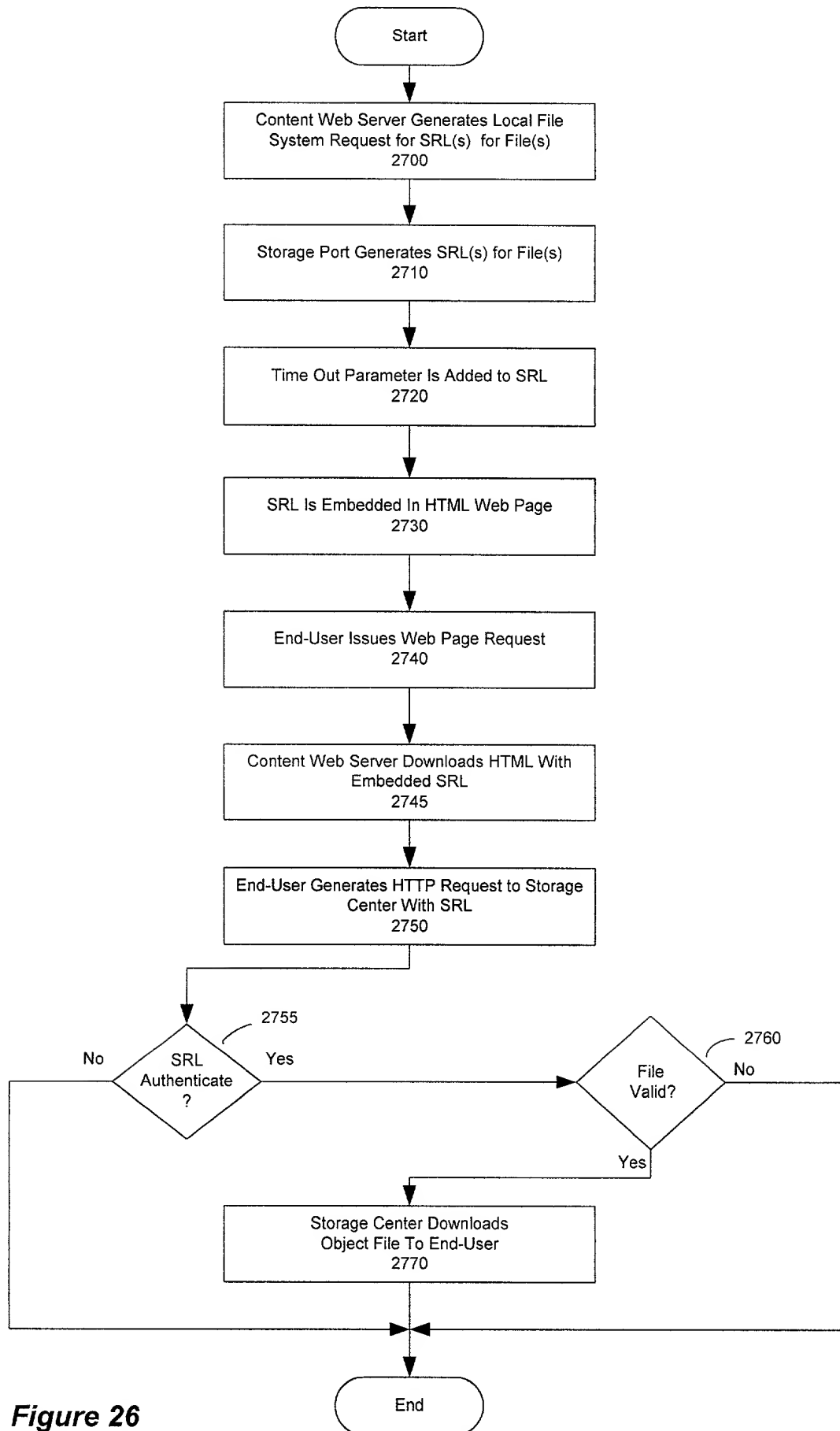


Figure 26

2800

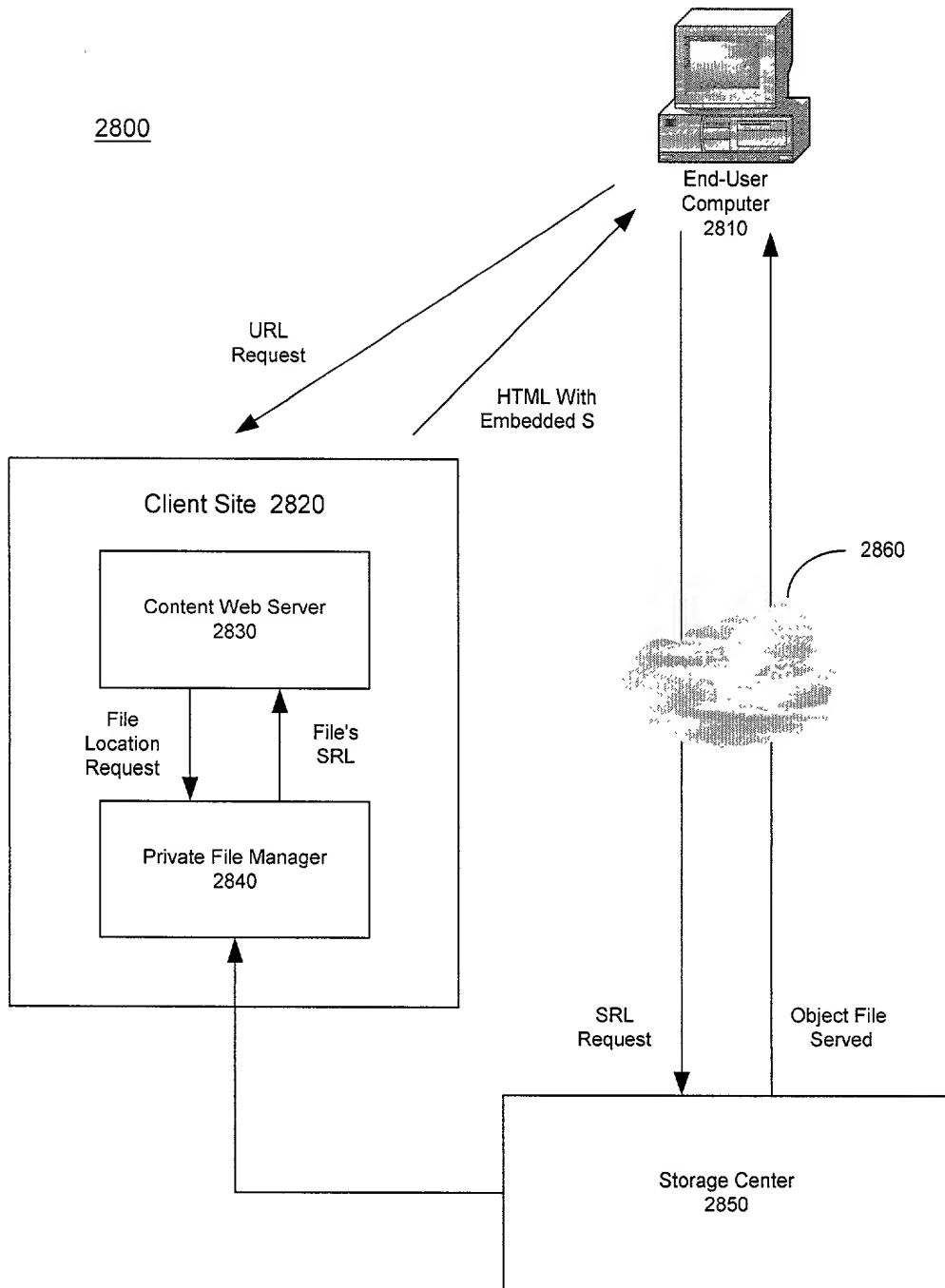


Figure 27

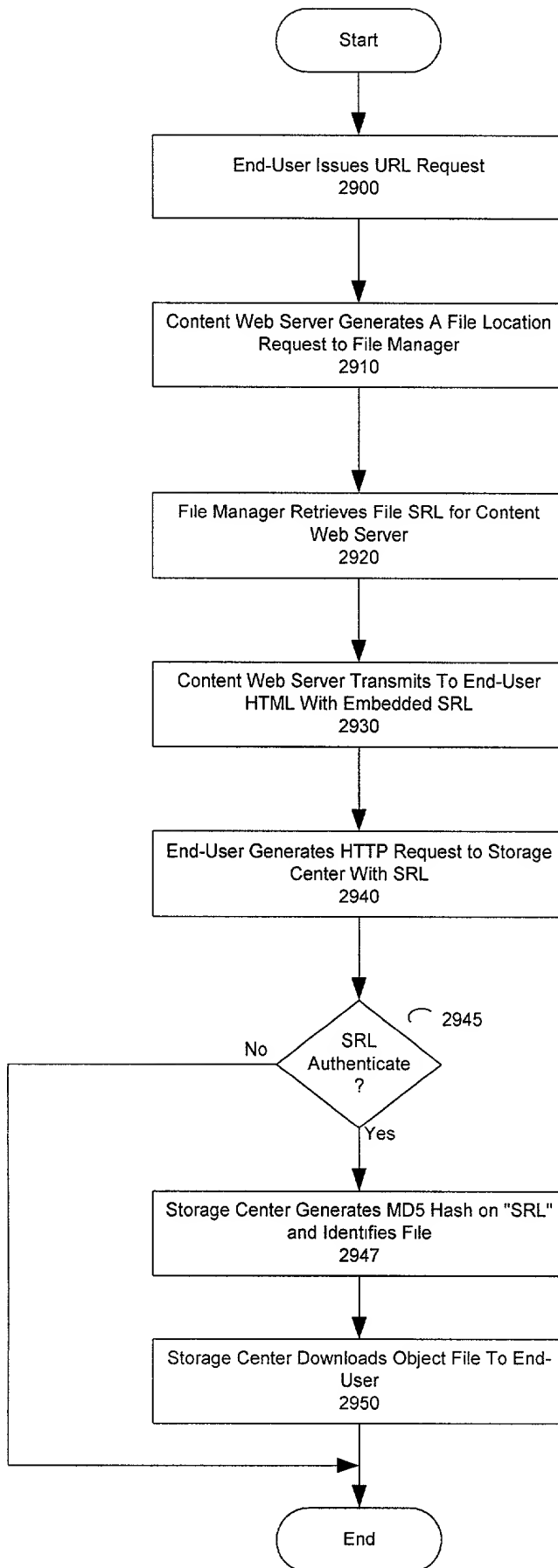


Figure 28

FIG. 29 is a block diagram of a system architecture for a client site network. The system includes an Active Storage Port 3010 and a Passive Storage Port 3020, both connected to a Client Site Network 3060. The Active Storage Port 3010 includes a Network Interface 3045, a Network Interface 3055, and a Health Monitoring 3070. The Passive Storage Port 3020 includes a Network Interface 3025, a Network Interface 3030, and a Health Monitoring 3080. A Failover Monitoring 3065 is shown between the two ports. The system also includes an IP Addr block.

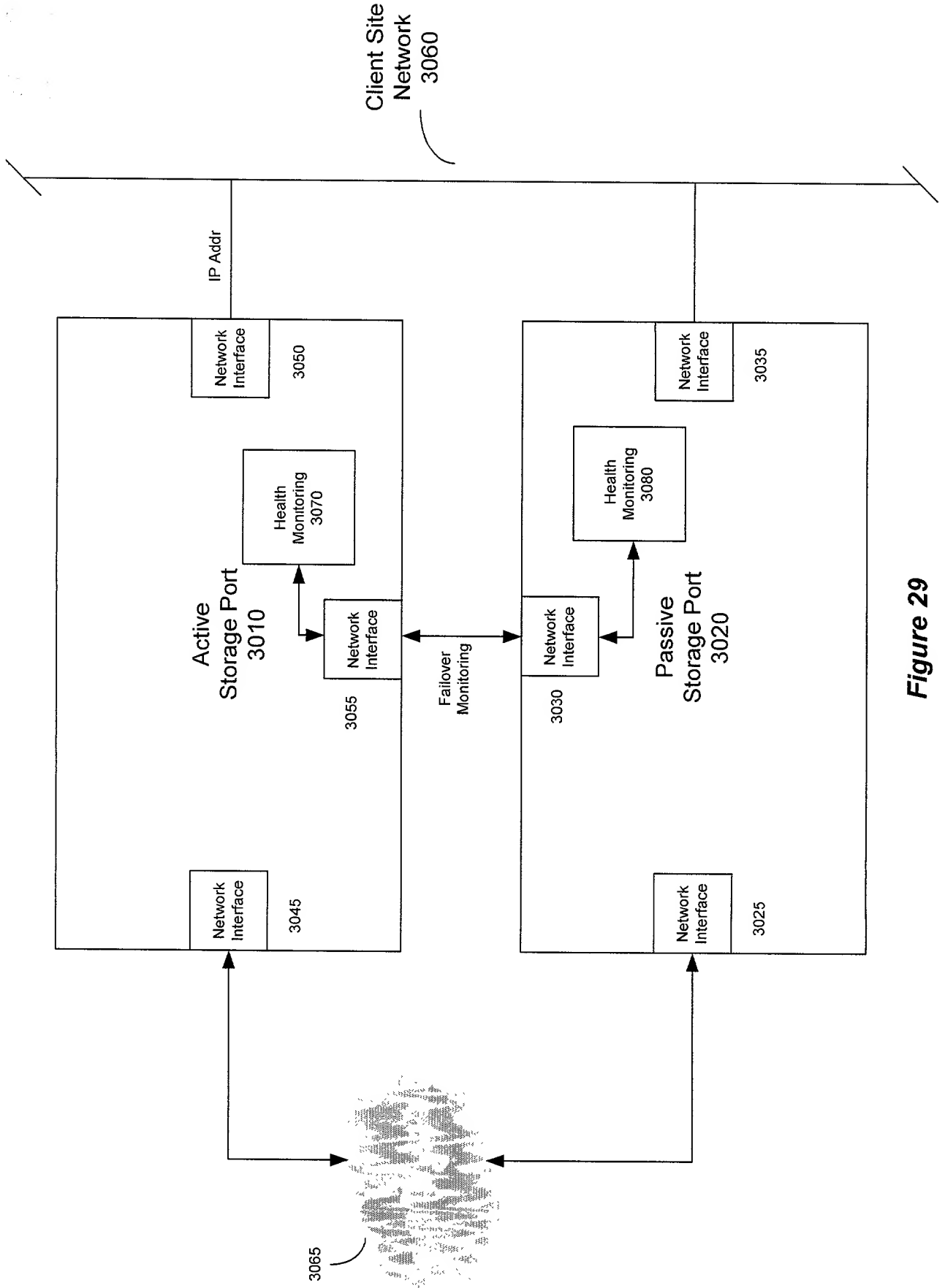


Figure 29

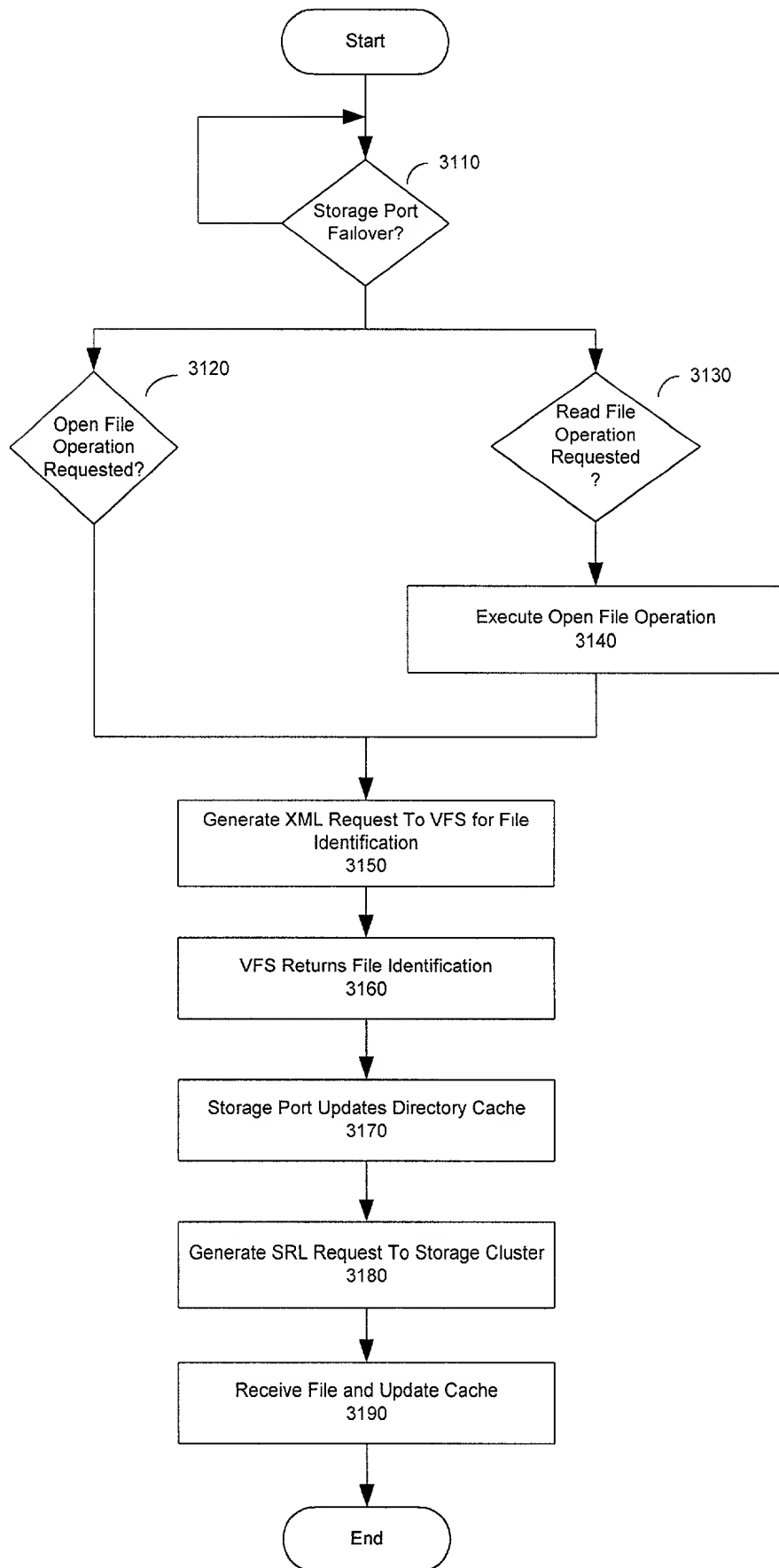


Figure 30

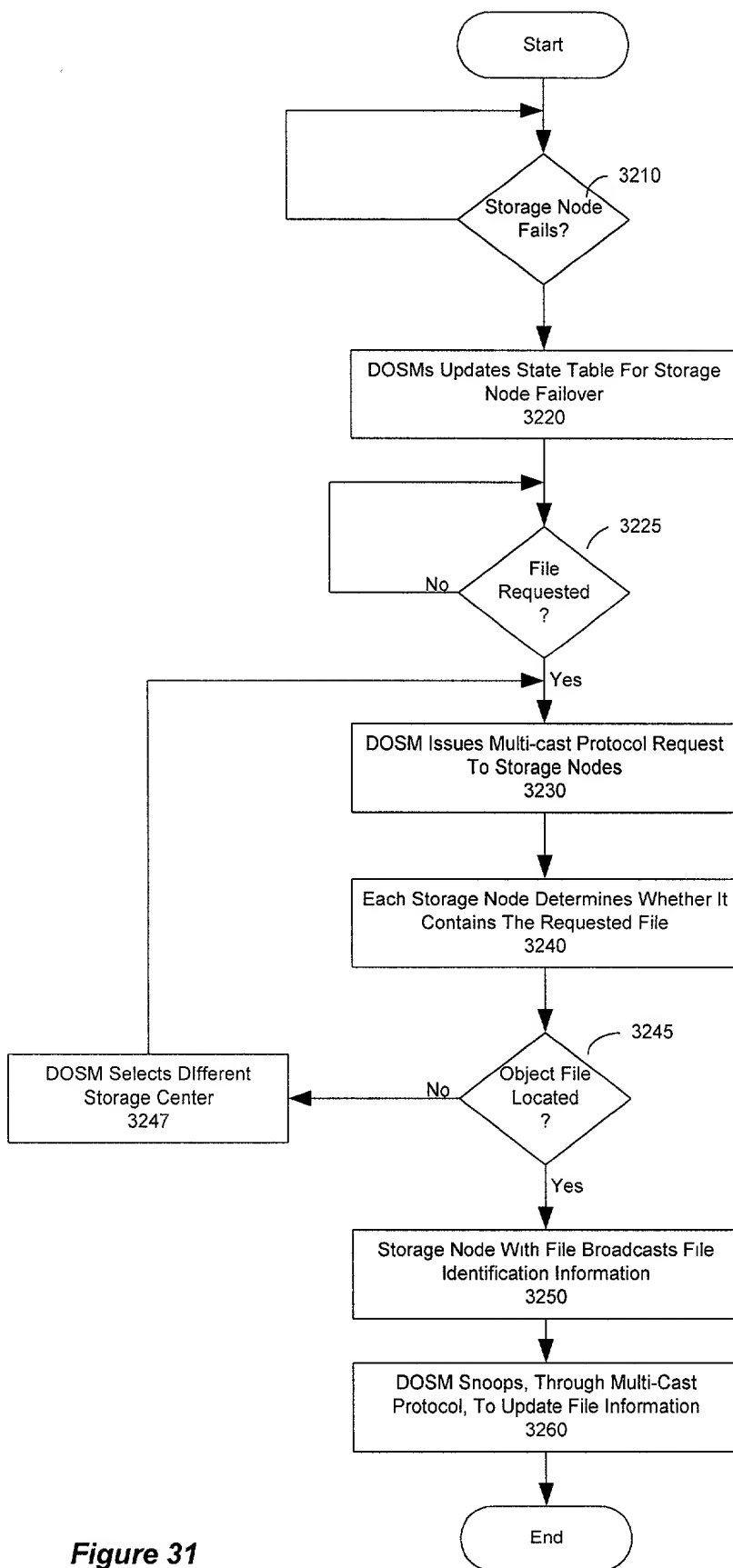


Figure 31